RESTRICTED

SUPPLEMENT
23 JANUARY 1945
TM 11-600

SUPPLEMENT
TO
TECHNICAL MANUAL

RADIO SETS SCR-508-(*), SCR-528-(*) AND SCR-538-(*)

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The following information published on Orders No. 8355-Phila-45-02 and 9525-Phila-45-02, supplements TM 11-600, 25 March 1943. Personnel using the equipment and having custody of this technical manual will attach this supplement securely inside the front cover of the TM and will enter suitable notations beside each changed paragraph and figure in the TM to indicate the presence of this supplementary information. This supplement will remain in effect only until the information is published in an official War Department Publication.

Page 24, Par. 3. Add the following material after paragraph 3.

3.1 Packaging Data

a. Radio Transmitter BC-604-DM and its accessories are packed for overseas shipment in a single box 15-½ inches wide, 16 inches high, and 33 inches long. The total volume is 5 cubic feet and the total weight is 126 pounds.

b. Radio Receiver BC-603-DM and its accessories are packed for overseas shipment in a single box 14-¾ inches wide, 12-⅞ inches high, and 17-½ inches long. The total volume is 2 cubic feet and the total weight is 65 pounds.

Page 51, Par. 15. Add the following material after paragraph 15.

15.1 Antenna A-62 (Phantom)

SIGNAL CORPS
U. S. ARMY
ANTENNA A-62 PHANTOM
SERIAL NO.
ANTENNA A-62 (PHANTOM)
FOR USE WITH RADIO SETS SCR-508 AND SCR-528
INSTRUCTIONS
DISCONNECT LEAD AT BASE OF ANTENNA. CONNECT LEAD TO POST MARKED "ANT". ON PHANTOM CONNECT CLIP TO ANY CONVENIENT METAL PART OF VEHICLE. TUNE TRANSMITTER USING SAME PROCEDURE EMPLOYED WITH THREE-SECTION ANTENNA. REMOVE PHANTOM. RECONNECT LEAD TO BASE. TRANSMITTER IS THEN READY FOR NORMAL OPERATION.
ANT
COAXIAL CABLE
GND
LEGEND
NO.
TYPE
DESCRIPTION
MFGR
1 SC-D-6715 COIL
2 55MMF CONDENSER AMER ST PACK
3 NC-80J RESISTOR CLAROSTAT
4 LM-27 LAMP
TL14529

FIGURE 27.1—Antenna A-62 (Phantom) Showing Nameplate and Circuit Label

a. Any antenna can be replaced by an equivalent electrical network consisting of a coil, a capacitor, and a resistor. If these elements are properly connected and adjusted they can be used in place of the regular antenna to tune the transmitter, without radiating a strong signal. Antenna A-62 (Phantom)

is provided for this purpose.

b. Antenna A-62 (Phantom) consists of a variable inductance, a variable capacitor, and two fixed resistors in parallel, contained within a cylindrical metal container approximately 6 inches high by 3 inches in diameter. The manufacturer's nameplate and circuit diagram are mounted on the outside of the container. A chained screw cap is the cover of the phantom antenna and can be removed for necessary adjustment by rotating it to the left. The chain prevents its loss or misplacement. A metal

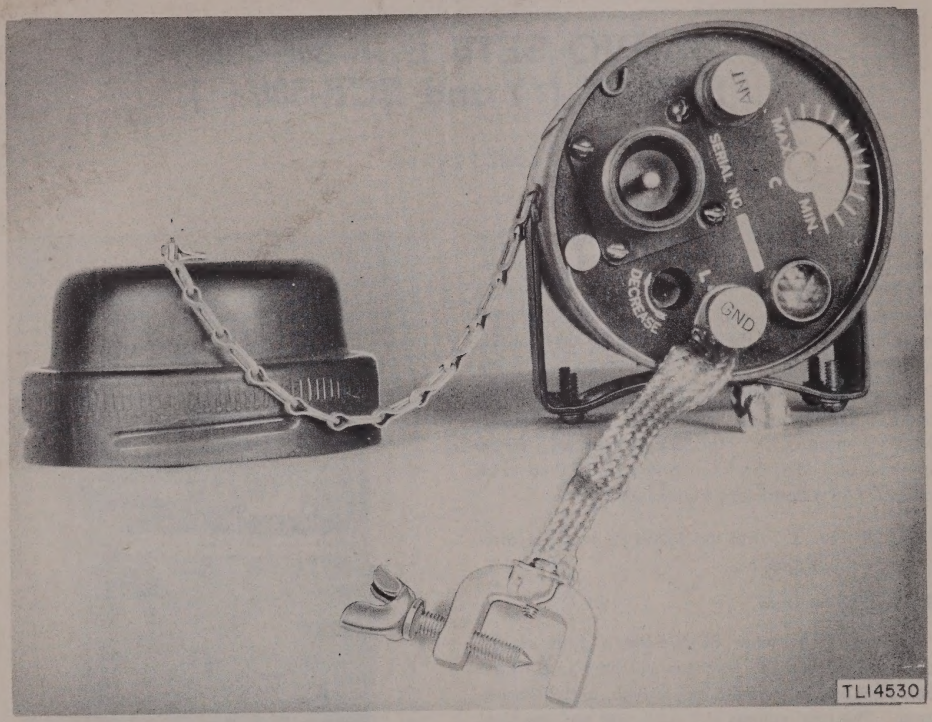


FIGURE 27.2—**Antenna A-62 (Phantom), Inside Top View**

bracket is included on the outside of the container to provide a flat side for ease in installation of the phantom antenna.

(1) When the cap is removed, the control or adjustment panel of the phantom antenna is exposed. This panel is a metal disc which is the top or end plate of the chassis that holds the parts inside the container firmly so that there will be a minimum of vibration. The adjustment points for the coil and capacitor are marked on the panel which also holds the resonance lamp and its jewel, the ANT binding post and the GND binding post. There is a heavy ground clamp permanently connected to the GND post by means of a tinned copper braid.

(2) The variable capacitor is a small, 19-plate, ceramic-insulated, end-mounted capacitor. The value of the setting is indicated by the position of the mark on the indicator disc (that moves with the rotation of the slotted shaft of the capacitor) and the relation of that mark to the dial scale stamped on the end plate or control panel. Adjustment of the capacitor, when necessary, is made by turning the shaft with a screwdriver until the desired results are obtained. Turning the slotted shaft towards the marking MAX increases capacity and turning it toward MIN decreases capacity.

(3) The hole marked DECREASE L is over the slotted end of a threaded shaft that tunes the coil. Tuning is accomplished by turning the control to the right (in the direction indicated by the arrow) thus driving a metal slug that is permanently attached to the inner end of the slotted shaft out of the coil. This would decrease the value of inductance. Turning this control in the opposite direction (to the left) increases the inductance value by retracting or lifting the slug upward into the coil.

(4) The receptacle mounted to the left of the hole marked DECREASE L is threaded on the outside and has a contact pin in the center. It is a cable connector to be used when attaching a coaxial cable antenna lead to the phantom antenna.

(5) Inside of the container and behind (or under) the control panel (or end plate) are the parts already mentioned and two wire-wound, ceramic covered, fixed resistors connected in parallel. Each resistor is 124 ohms in value but because they are connected in parallel their total effective resistance in the circuit is 62 ohms.

(6) Antenna A-62 (Phantom) will satisfactorily replace Mast Base AB-15/GR (MP-48 or MP-37) and the mast sections during tune up of the transmitter, but it will not replace the antenna lead-in from the mast base to the output terminals of the transmitter.

Page 53, Subpar. 17b (2). Add the following material after subparagraph 17b (2).

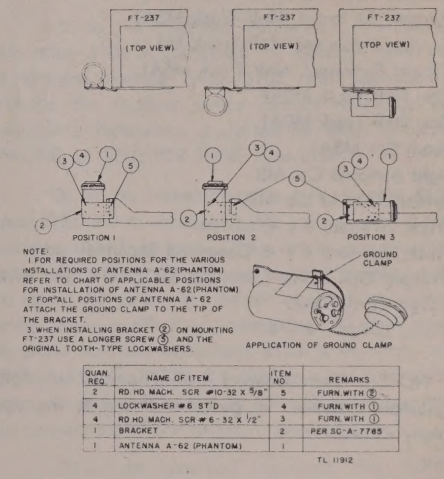
(2.1) Radio Receivers BC-603-(*)M, Radio Transmitters BC-604-(*)M, and Interphone Amplifiers BC-605-(*)M have been modified (par. 46a) so that when Radio Sets SCR-508-(*), SCR-528-(*), and SCR-538-(*) are operated on interphone, Radio Receivers BC-603-(*)M are disabled. This modification prevents interference of interphone communication by incoming radio signals.

NOTE: ONLY THOSE EQUIPMENTS THAT ARE STAMPED WITH THE LETTER **M** AFTER THE NOMENCLATURE ON THE NAMEPLATE HAVE BEEN SO MODIFIED.

Page 58, Subpar. 19b(12). Add the following material after subparagraph 19b(12).

19b.1 Antenna A-62 (Phantom), Preparation for Use

Standard methods of installing Antenna A-62 (Phantom) have been developed and are indicated in Figure 28.1.


FT-237
(TOP VIEW)
FT-237
(TOP VIEW)
FT-237
(TOP VIEW)
POSITION 1
POSITION 2
POSITION 3
NOTE:
1 FOR REQUIRED POSITIONS FOR THE VARIOUS INSTALLATIONS OF ANTENNA A-62 (PHANTOM) REFER TO CHART OF APPLICABLE POSITIONS FOR INSTALLATION OF ANTENNA A-62 (PHANTOM)
2 FOR ALL POSITIONS OF ANTENNA A-62 ATTACH THE GROUND CLAMP TO THE TIP OF THE BRACKET.
3 WHEN INSTALLING BRACKET ② ON MOUNTING FT-237 USE A LONGER SCREW ⑤ AND THE ORIGINAL TOOTH-TYPE LOCKWASHERS.
GROUND CLAMP
APPLICATION OF GROUND CLAMP

QUAN REQ.	NAME OF ITEM	ITEM NO.	REMARKS
2	RD HD MACH. SCR #10-32 X 5/8"	5	FURN WITH ②
4	LOCKWASHER #6 ST'D	4	FURN WITH ①
4	RD HD MACH. SCR #6-32 X 1/2"	3	FURN WITH ①
1	BRACKET	2	PER SC-A-7785
1	ANTENNA A-62 (PHANTOM)	1	

TL 11912

FIGURE 28.1—**Installation of Antenna A-62 (Phantom) on Mounting FT-237-(*)**

(1) The following items are required for each installation.

Stock No.	Article	Quantity
1B126	Wire W-128.	2 ft
2A262	Antenna A-62 (Phantom) including:	1
	4 screws, machine, 6-32 x 1/2 in.	
	4 lock washers, No. 6 std.	

Stock No.	Article	Quantity
2Z1250.56	Bracket, steel, drawing No. SC-A7765 for Antenna A-62 (Phantom), includes: 2 screws, machine, 10-32 x 5/8 in.	1

The bracket listed may be obtained by requisitioning through regular channels.

TABLE VI.I

Applicable Positions for Installation of Antenna A-62 (Phantom)

Vehicle	Applicable Position
Light Tank M3A3	3
Light Tank M5	3
Light Tank M5A1	3
Medium Tank M3	3
Medium Tank M3A1 to M3A5	3
Medium Tank M4 to M4A4	2
Heavy Tank Series (M6, M6A1, and T1E1)	3
Car, Half Track M2	3
Car, Half Track M2A1	3
Carrier, Personnel, Half Track M3	3
Carrier, Personnel, Half Track M3A1	3
Carrier, Personnel, Half Track M5	3
Carrier Personnel, Half Track M5A1	3
Car, Half Track M3A2	3
Car, Half Track M9A1	3
Scout Car M3A1	3
Light Armored Car M8	3
Armored Utility Car M20	3
Truck, 3/4-ton, 4 x 4, carryall	3
Truck, 3/4-ton, 4 x 4, Command Reconnaissance	3
Multiple Gun Motor Carriages M13, M14, and M16	3
Cargo Carrier M29	3
Truck, 1/4-ton, 4 x 4	3

NOTE: When Antenna A-62 (Phantom) is installed in position 3, the bulge of Cover BG-96 covers the phantom antenna. In positions 1 and 2, the zipper on the left end of Cover BG-96 cannot be completly closed.

(2) To make the installation, proceed as follows:

(a) Refer to table VI.I, **Applicable Positions for Installations of Antenna A-62 (Phantom),** and determine the correct position for the particular vehicle involved. Positions in this table refer to positions 1, 2, and 3 shown in Figure 28.1.

(b) Remove the two screws and lock washers from the left-front corner of Mounting FT-237-(*) and secure the bracket (with the antenna attached) to Mounting FT-237-(*), using the original lock washers and two 10-32 by 5/8-inch screws provided.

(3) The instructions that follow are applicable to installations of Radio Set SCR-508-(*) or SCR-528-(*) for which either Wire W-128 or coaxial cable is used for the antenna lead-in. Connect the antenna as follows:

(a) Disconnect the standard antenna lead-in from the antenna binding post on either Mounting FT-237-(*) or Radio Transmitter BC-604-(*), whichever is applicable for the particular installation, and connect one end of the 2-foot length of Wire W-128 to this binding post.

(b) Remove the cover from the antenna and connect the other end of the 2-foot length of wire W-128 to the antenna binding post marked ANT.

(c) The ground clamp, connected to the binding post marked GND, must be fastened securely to the tip of the bracket.

Page 63, Subpar. 20e(5). Add the following material after subparagraph 20e(5).

f. Operation of the Phantom Antenna

(1) **Adjustment During Manufacture**

When adjusted during manufacture, the inductance is set at 1.35 uh as indicated by a white line to be seen inside the case directly under the L adjusting screw; and the variable capacity is set at 39 mmf.

These original adjustments are usually correct for all standard installations. Small adjustments of either L or C may be necessary for some installation to compensate for differences in vehicular structure or antenna position.

(2) **Adjustments**

(a) Operate Radio Transmitter BC-604-(*) and observe whether or not any readjustment of the antenna trimmer capacitors is necessary to obtain maximum antenna current indications on the transmitter panel meter. If no appreciable change in the settings is required, the phantom antenna is working correctly.

(b) If the setting of the antenna trimmer capacitors on the transmitter must be changed appreciably to obtain maximum antenna current, the phantom antenna must be readjusted.

(3) **Adjustment Procedure**

(a) Tune the transmitter to the standard vehicular antenna.

(b) Disconnect the vehicular antenna and connect the phantom antenna. Change the C adjustment in the phantom antenna by one scale division in either direction.

(c) Operate the transmitter and check the tuning of the antenna trimmer capacitors. If further readjustment is necessary, repeat steps (a) and (b) above.

(d) If the correct adjustment cannot be found by adjusting the capacitor alone, set it to the arrow mark on the dial and turn the adjusting screw marked DECREASE L in either direction, two or three complete turns.

(e) Repeat steps (a), (b), and (c) above.

(f) By repeating steps (a), (b), (c), and (d), a proper combination of L and C can be obtained.

(g) Once Antenna A-62 (Phantom) has been adjusted for a particular installation, it should be unnecessary to make any further adjustments.

Page 68, Subpar. 22c. Add the following material after subparagraph 22c.

d. Radio Sets SCR-508-(*)M and SCR-528-(*)M

(1) These equipments have been modified (indicated by the addition of the letter M to the nomenclature on the nameplates of the basic components of these equipments) so that incoming radio signals will not interfere with speech being carried on over the interphone system. These modifications are detailed in paragraphs 17b(2) and 46a(1).

(2) In the modified transmitters, the disabling relay S103 is connected in parallel with the dynamotor starting relay S102 and operates to disable the receiver output circuits whenever the transmitter dynamotor is started for RADIO, INTERPHONE, or RECEIVER TUNE operation.

(3) In the transmitter, the two resistors R133 and R135 are in series with the relays when a 24-volt dynamotor is used. They act as voltage dividers which drop the voltage across the relay coils to about 12 volts. The values of these resistors in some of the modified equipments are 50 ohms each. In other modified equipment R133 is 40 ohms and R135 is 45 ohms. This is a change in value of resistance necessitated by the modification of the parallel connections of the relays (Paragraph 46a.1).

(4) In the modified receivers the TUNE-OPERATE switch D5 is a two-circuit switch. This switch when set to TUNE causes the receiver beat oscillator to operate and opens the circuits from the transmitter relay S103 to prevent disabling of the receiver during tuning adjustment.

NOTE. Use only receivers marked M (to indicate modification) with transmitters similarly marked.

The modified receivers are not disabled with the TUNE-OPERATE switch D5 at TUNE. Disabling is automatic with this switch at OPERATE.

(5) Mounting FT-237-(*) has been modified as detailed in Paragraph 46a.1.

e. Radio Set SCR-538-(*)M

Interphone Amplifier BC-605-(*)M has been modified as detailed in Paragraph 46a.1. These modifications provide disabling of the receiver output circuits during operation of the interphone amplifier.

Page 101. Delete subparagraph 30f. See paragraph 47.2 in this supplement for lubrication data.

Page 105. Delete subparagraph 31e(2) and substitute the following:

(2) If radio transmission is not authorized, disconnect the antenna lead-in at the mast base and connect it to the ANT post of the phantom antenna. If it is not possible to disconnect the lead-in from the mast base, disconnect it from the TR binding post on the mounting and substitute a 20-inch length of Wire W-128 to serve as the antenna lead from the transmitter to the phantom antenna. If the transmitter is being serviced out of the vehicle or on the test bench, attach the phantom antenna to the A and G binding posts of the transmitter with short leads. For testing or presetting the transmitter while it is installed in the vehicle, securely attach the ground clamp of the phantom antenna to the vehicle.

Page 109. Delete subparagraph 31g. See paragraph 47.2 in this supplement for lubrication data.

Page 130, Par. 39c(14). Delete "within 0.75 volt" and substitute "within 0.3 volt".

Page 160, Par. 44c. Delete the lubricants and solvents (cleaning fluids) mentioned in subparagraphs (1) and (2), and substitute the following:

Solvents (cleaning fluids): SOLVENT, dry-cleaning, or OIL, fuel, Diesel.

Lubricants: 0°F or higher (warmer), use only No. 2 GREASE, general purpose (Specification U.S. Army 2-108). Below 0°F use GREASE, lubricating, SPECIAL (Specification AXS-637).

NOTE: Lubrication is to be accomplished after every 1,024 hours of operation.

Page 168, Par. 46a. Add the following material after paragraph 46a.

a.1. Modification to Disable Radio Receiver BC-603-(*) During Interphone Operation

NOTE: The letter **M** following the nomenclature of these equipments indicates that equipments so marked have been modified. The letters MFP must not be confused with the **M** marking. MFP indicates that the equipments so marked have been moistureproofed and fungiproofed.

(1) Radio Sets SCR-508-(*)M and SCR-528-(*)M

(a) Radio Transmitter BC-604-(*)M

Wire BL-OR-1 (originally connected between pin No. 3 on plug PG103 and relay S103) has been changed so as to connect pin No. 7 on plug PG103 to relay S103. See Figures 75.1 and 75.2.

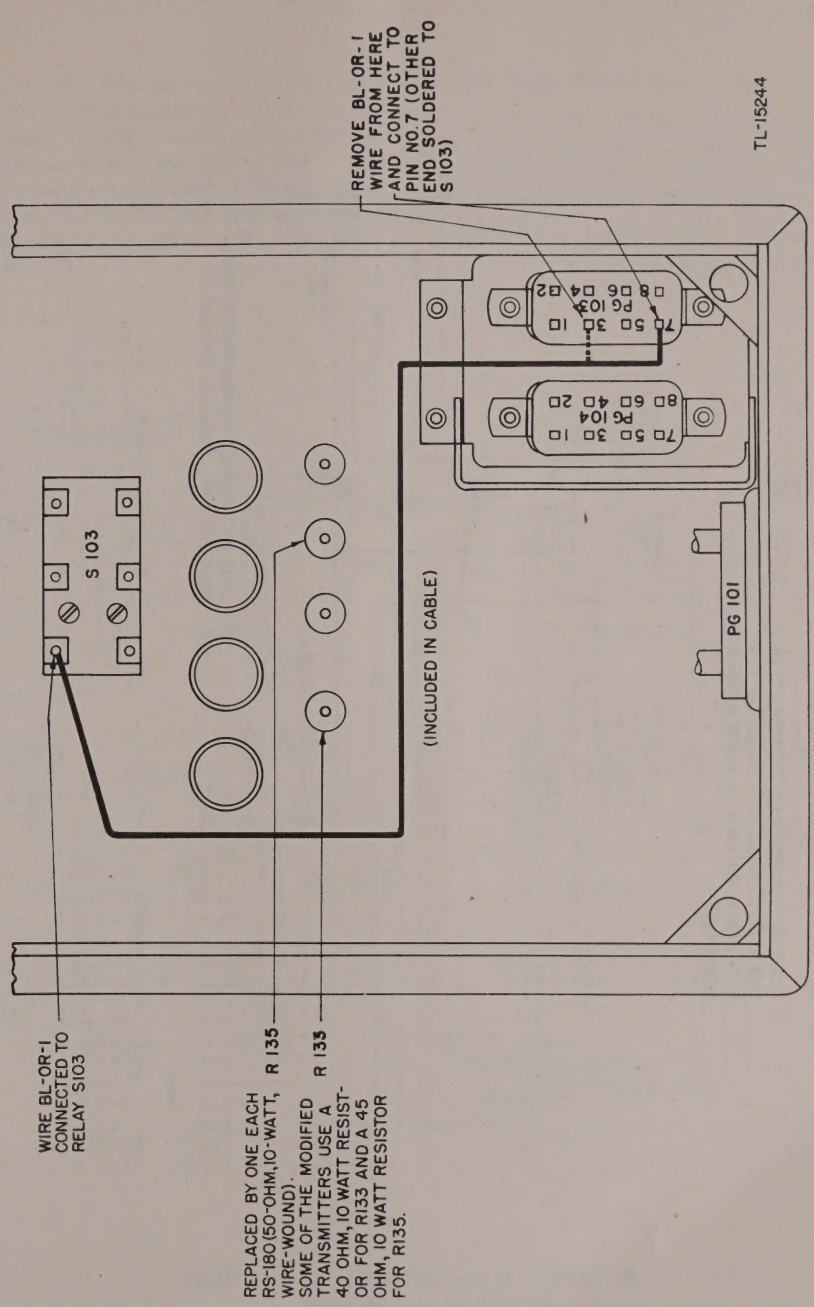

REMOVE BL-OR-1 WIRE FROM HERE AND CONNECT TO PIN NO.7 (OTHER END SOLDERED TO S 103)
TL-15244
P6 103
P6 104
S 103
PG 101
(INCLUDED IN CABLE)
WIRE BL-OR-1 CONNECTED TO RELAY S103
REPLACED BY ONE EACH RS-180 (50-OHM, 10-WATT, WIRE-WOUND). SOME OF THE MODIFIED TRANSMITTERS USE A 40 OHM, 10 WATT RESISTOR FOR R133 AND A 45 OHM, 10 WATT RESISTOR FOR R135.
R 135
R 133

FIGURE 75.1--Radio Transmitter BC-604(*)M, Bottom View of Chassis Showing Changes to Provide Receiver Disabling During Interphone Operation.

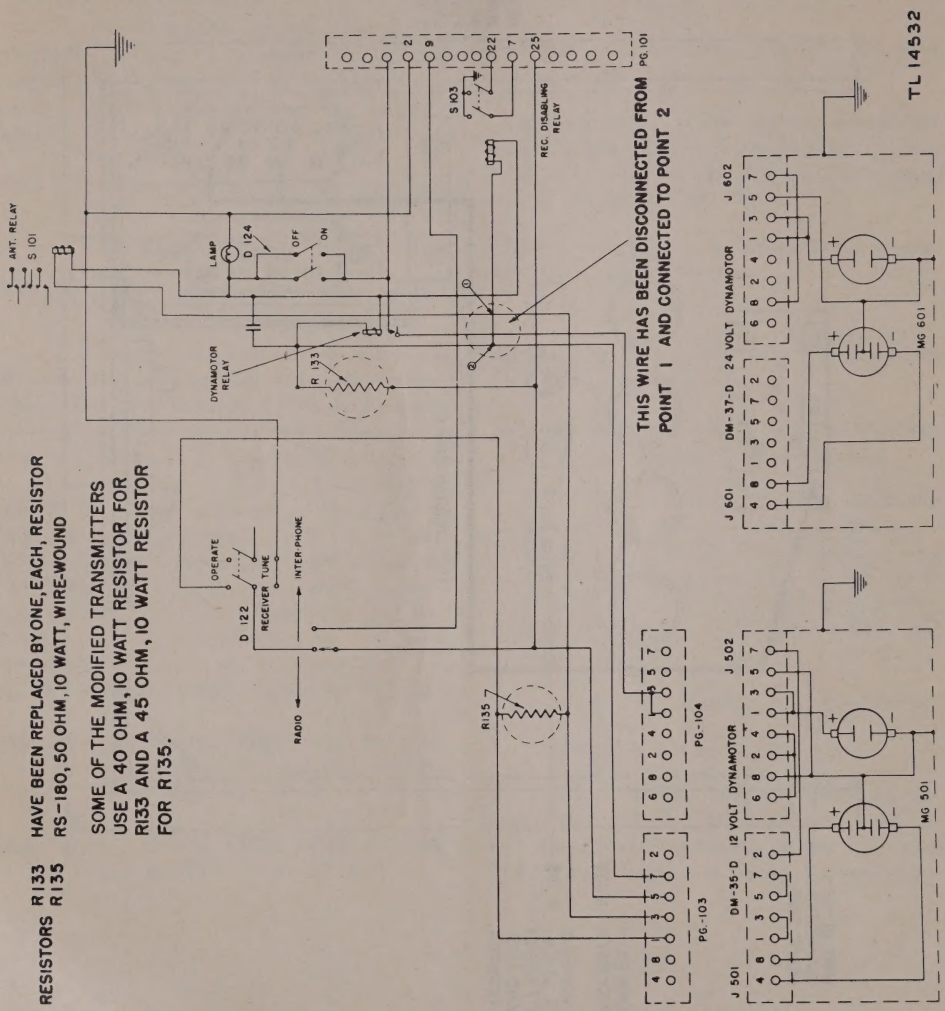


FIGURE 75.2--Schematic Diagram of Changes to Radio Transmitter BC-604(*) M

Resistor R133 (80-ohm) has been replaced in some of the modified transmitters with Resistor RS-180 (50-ohm, 10 watt, wire-wound, porcelain-covered, Signal Corps stock No. 3Z4580) and in other of the modified transmitters with a 40-ohm resistor. Resistor R135 (30-ohm) has been replaced with Resistor RS-180 or a 45 ohm resistor. See Figure 75.1.

(b) Radio Receiver BC-603-(*)M

The TUNE-OPERATE switch D5 mounted on the front panel of the receiver has been changed. It is (in modified receivers only) a two-circuit type switch (Cutler-Hammer No. 8284) or equal.

NOTE: It is important that in Radio Sets SCR-508-(*), both receivers and the transmitter be of the modified type.

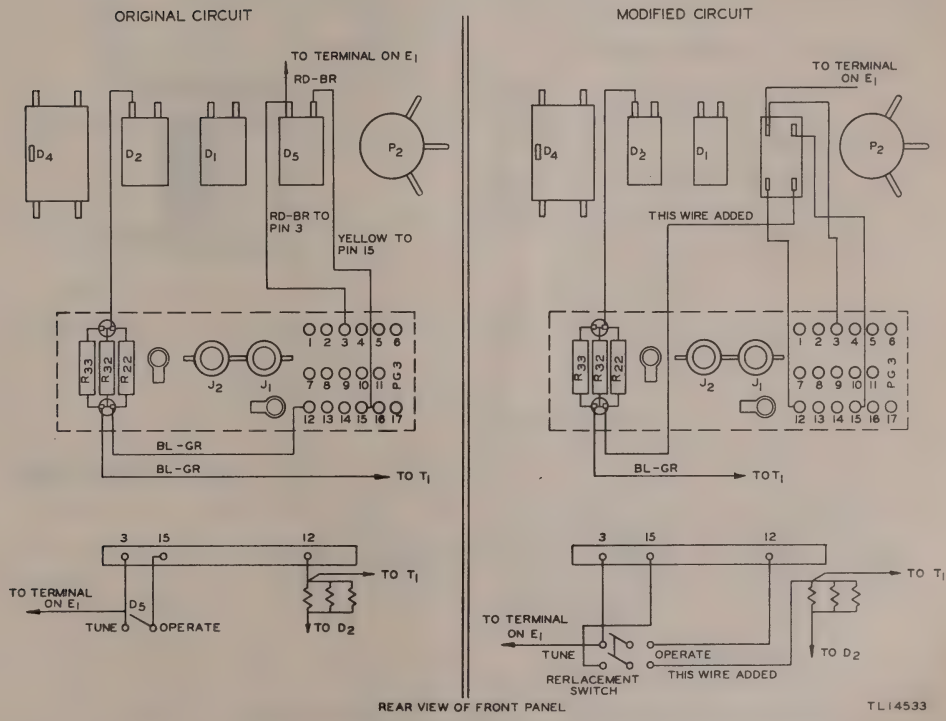


FIGURE 75.3—Schematic Diagram of Changes to Radio Receiver BC-603-(*)M

(c) Mounting FT-237-(*)M

Pin No. 7 on jack J402 has been connected to pin No. 23 on jack J401. Pin No. 7 on jack J401 has been connected to pin No. 23 on jack J402.

(2) **Radio Set SCR-538-(*)M**

(a) General

The changes already described for the radio receiver and mounting apply also to Radio Receiver BC-603-(*)M and Mounting FT-237-(*)M when used with Interphone Amplifier BC-605-(*)M, which are the basic components of Radio set SCR-538-(*).

(b) Interphone Amplifier BC-605-(*)M

(1) The connecting strap that was soldered between the spring contacts B and C or relay S201 has been removed.

(2) The wire attached to point A, indicated in Figures 75.5 and 75.6 has been removed from that point and the end taped so that it will not short to anything within the chassis.

(3) Point A on the relay has been connected to pin No. 23 on plug PG201 with a length of No. 20 stranded, insulated wire (stock No. 1B520.9).

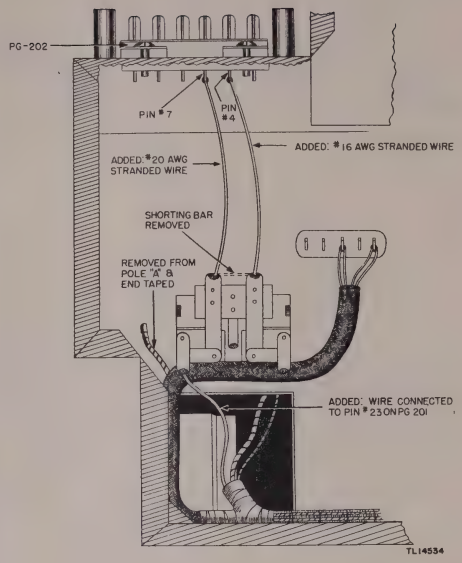


FIGURE 75.4—**Modification of Interphone Amplifier BC-605-(*)M to provide Receiver Disabling**

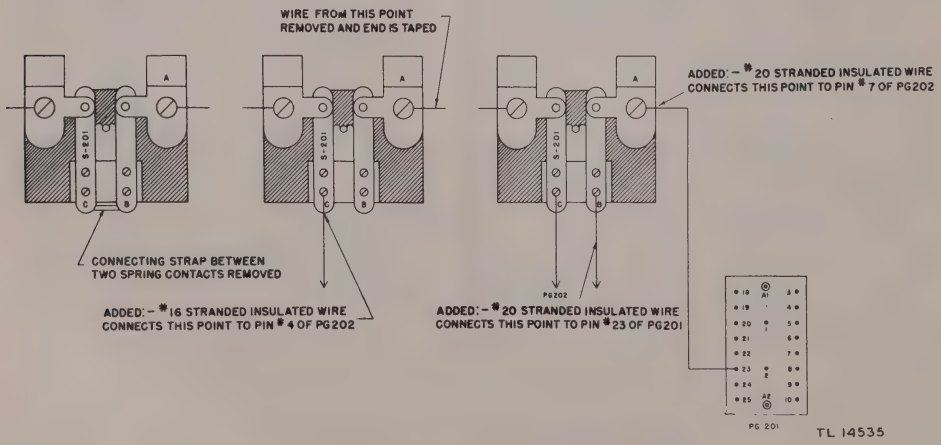

WIRE FROM THIS POINT REMOVED AND END IS TAPED
A
S-201
C
B
CONNECTING STRAP BETWEEN TWO SPRING CONTACTS REMOVED
ADDED: – #16 STRANDED INSULATED WIRE CONNECTS THIS POINT TO PIN #4 OF PG202
ADDED: – #20 STRANDED INSULATED WIRE CONNECTS THIS POINT TO PIN #7 OF PG202
ADDED: – #20 STRANDED INSULATED WIRE CONNECTS THIS POINT TO PIN #23 OF PG201
PG202
PG 201
TL 14535

FIGURE 75.5—**Wiring Diagram of Changes in Interphone Amplifier BC-605-(*)M**

(4) Another piece of No. 20 stranded, insulated wire (stock No. 1B520.9) has been connected between point B on the relay, identified in Figures 75.5 and 75.6, to pin No. 7 on plug PG202.

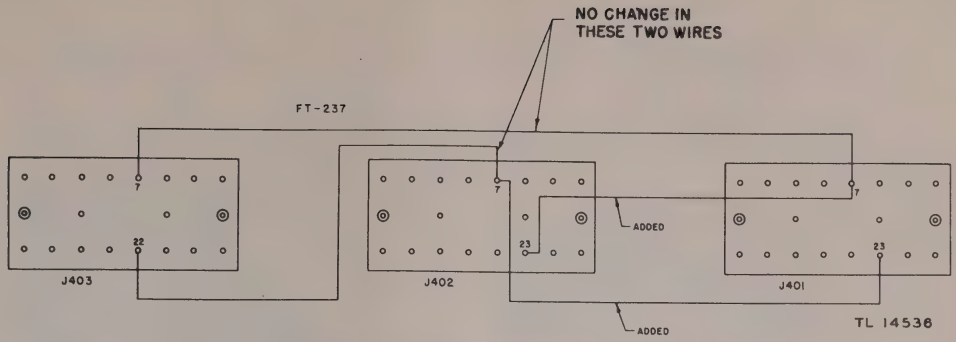


FIGURE 75.6—**Wiring Diagram of Changes to Mounting FT-237-(*)M to provide Receiver Disabling**

(5) A length of No. 16 stranded, insulated wire (stock No. 1B816.5) connects point C on the relay, shown in Figures 75.5 and 75.6 to pin No. 4 on plug PG202.

Page 185, Table XIV. Add the following paragraphs after table XIV.

47.1 Moistureproofing and fungiproofing

a. General

Communication failures commonly occur when Signal Corps equipment is operated in tropical areas where temperature and relative humidity are extremely high. The following problems are typical:

(1) Resistors and capacitors fail.

(2) Electrolytic action takes place in coils, chokes, transformer, windings, etc., causing eventual breakdown.

(3) Hook-up wire and cable insulation break down. Fungus growth accelerates deterioration.

(4) Moisture forms electrical leakage paths on terminal boards and insulating strips causing flashovers and crosstalk.

(5) Moisture provides leakage paths between battery terminals.

b. Treatment

, A moistureproofing and fungiproofing treatment has been devised which, if properly applied, provides a reasonable degree of protection against fungus growth, insects, corrosion, salt spray and moisture. The treatment involves the use of moisture and fungi-resistant varnish applied by means of a spray gun. A brief description of the method of application follows:

(1) All repairs and adjustments necessary for the proper operation of the equipment are made.

(2) Equipment to be processed is thoroughly cleaned of all dirt, dust, rust, fungus, oil, grease, etc.

(3) Equipment is partially disassembled and certain points, such as relay contacts, open switches, air capacitors, sockets, bearings, etc., are covered with masking tape.

(4) Equipment is thoroughly dried by heat to expel moisture which the circuit elements have absorbed.

(5) All circuit elements and all parts of the equipment are sprayed or painted with three coats of moistureproofing and fungiproofing varnish.

(6) The equipment is given a final operational check. Allow a 24- to 36-hour aging period, when time permits, before alignment.

c. Disassembly

(1) Mounting FT-237-(*)

(a) Remove side plates so as to expose internal wiring.

(b) Lift the latch cover and tighten all screws and wingnuts.

(2) **Radio Transmitter BC-604-(*)**

(a) Remove all side plates.

(b) Remove box containing spare crystals (do not treat crystals).

(c) Remove crystals from oven.

(d) Remove the dynamotor. Unscrew the four holding screws and lift the dynamotor out.

(e) Remove the push button assembly (See paragraph 45b(2)(c)).

(f) Dissassemble the dynamotor. Remove side plates and expose the commutator and brushes (See Paragraph 44c).

(3) **Radio Receiver BC-603-(*)**

(a) Remove all side plates.

(b) Remove and disassemble the dynamotor. Follow the same procedure as for transmitter dynamotor.

(c) Remove front panel and speaker.

(d) Remove tape from around hook-up wire in the wiring of the set.

(e) Remove shields from coils LCU1, LCU2, LCU3, LCU4, and FL1, FL2, FL3, and FL4.

(4) **Antenna A-62 (Phantom)**

(a) Unsnap the spring retainer ring.

(b) Remove assembly from case.

(c) Tighten all binding post knobs.

d. Masking

(1) **Mounting FT-237-(*)**

Mask the front faces of the base plugs.

(2) **Transmitter BC-604-(*)**

(a) Mask the front of the meter.

(b) Mask all jack openings and contacts where microphones plug in.

(c) Mask the socket for the dynamotor.

(d) Mask the contacts of the meter switch and switch S104.

(e) Mold paper around the variable capacitor assembly (C106, C152, C156, C115, C113, and C119, including the trimmers located under the capacitor assembly) and fasten the paper in place with masking tape.

(f) Mask the contacts of relay S102.

(g) Mask tthe high-voltage (HV) and low-voltage (LV) commutators and brushes of the dynamotor.

(3) **Radio Receiver BC-603-(*)**

(a) Mask the push button assembly.

(b) Mask the phone jacks and other contacts.

(c) Mask the dynamotor. Follow the same procedure as for the transmitter dynamotor.

(4) **Antenna A-62 (Phantom)**

Cover the following components with masking tape as shown in Figure 75.7.

(a) Tuning capacitor plates and bearings, Item A, Figure 75.7.

(b) Threads on screw plug, Item B, Figure 75.7.

(c) Male prong on antenna connector, Item C, Figure 75.7.

(d) Contacts on ground clamp, Item D, Figure 75.7.

(e) Thoroughly clean all equipment to be treated by removing all oil, dirt, rust, or fungus adhering to any of the components.

e. Drying

Place units in the drying oven and bake for 2 to 3 hours at a temperature of 160°F.

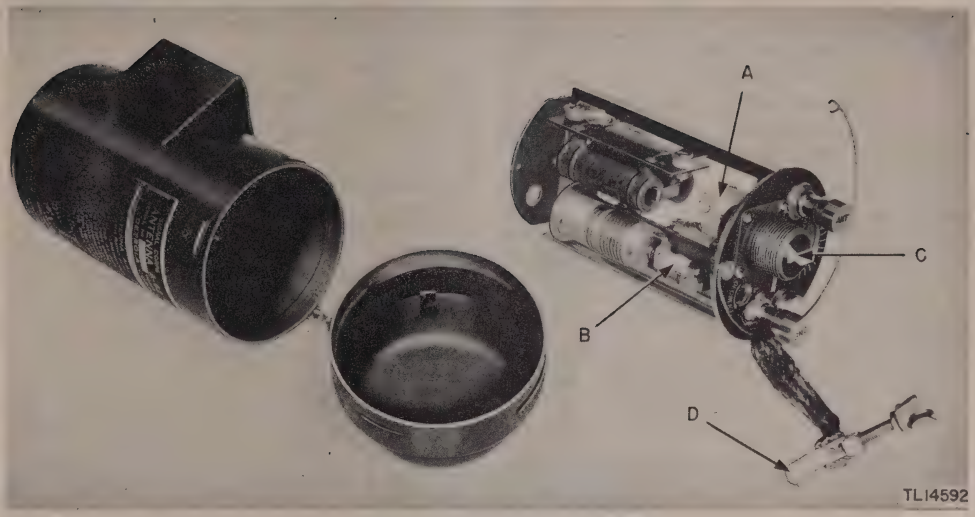


FIGURE 75.7—**Antenna A-62 (Phantom) Showing Method of Masking**

CAUTION: DO NOT EXCEED 160°F. If wax should begin to melt on any of the components, decrease the temperature and increase the baking time about 1 hour for each 10° of temperature drop.

f. Spraying

(1) Apply three coats of moistureproofing and fungiproofing varnish to all exposed elements within the units. Allow 15 to 20 minutes drying time between each coat.

(2) Brush varnish on those portions not reached by the spray.

(3) On the meter, brush the back portion of the bakelite case, the seal around the zero-setting adjustment, and the glass face.

(4) Coat the inside surface of the metal container of Antenna A-62 (Phantom).

g. Reassembly of the Equipments

Check operation of the equipments. Recable the wiring where tape was removed and cover with fresh tape.

h. Marking

Mark the units MFP and inscribe date of treatment.

Example: MFP 22 May 1944.

i. Reference

For a full description of the varnish spray method of moistureproofing and fungiproofing refer to TB SIG 13.

The following material supersedes paragraph 30f and 30g of 11-600, 25 March 1943.

47.2 **Lubrication Data**

NOTE: Use OIL, lubricating, preservative, special, specification AXS-777.

a. Radio Receiver BC-603-(*)

After 256 hours of operation:

(1) Remove cover plates and expose push button assembly.

(2) Clean only the following parts with SOLVENT, dry-cleaning:

Rack-gear shaft (top).
Push-button plungers.
Push-button racks.
Push-button gears.
Rack-gear shaft (bottom).

(3) Apply one or two drops of oil to the rack-gear shafts (top and bottom).

(4) Apply a light film of oil to the 10 push-button plungers. Push the plungers in and coat the surface lightly.

(5) Clean the surface of the 10 push-button racks and coat with a light film of lubricant.

(6) Clean and lubricate the push-button gears. Place one drop of oil between both upper and lower gears and spacers.

b. Radio Transmitter BC-604-(*).

Follow the procedure used for lubricating the receiver.

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

a. Radio Receiver BC-603-(*) and BC-603-(*)M

Ref symbol	Signal Corps stock No.	Name of part and description
C1.1	2C4403A/C1	CAPACITOR: variable; 16 mmf; Bell Labs. Dwg. No. ESR679359-17.
C1.3		CAPACITOR: same as C1.1.
C1.5		CAPACITOR: same as C1.1.
C1.7	2C4403A/C1 1	CAPACITOR: variable; air dielectric; 16 mmf; Bell Labs. Dwg. No. ESR679359-18.
C2	3DA6-10	CAPACITOR: fixed; mica; 6,000 mmf ±10%; 300 v dc (working); C-D No. 1W.
C3		CAPACITOR: same as C2.
C4		CAPACITOR: same as C2.
C5		CAPACITOR: same as C2.
C6		CAPACITOR: same as C2.
C7		CAPACITOR: same as C2.
C8	3D9500-18	CAPACITOR: fixed; mica; 500 mmf; ±10%; 500 v dc (working); C-D No. 1W.
C9		CAPACITOR: same as C2.
C10	3D8975	CAPACITOR: fixed; mica; 0.75 mmf ±30%; 500 v dc (working); Erie No. N680L.
C11		CAPACITOR: same as C2.
C12	3DA10-48	CAPACITOR: fixed; paper; 10,000 mmf ±10%; 300 v dc (working); C-D No. 1D.
C13		CAPACITOR: Same as C8.
C14		CAPACITOR: same as C2.
C15	3DA500-30	CAPACITOR: fixed; paper; 500,000 mmf ±10%; 600 v dc (working); C-D No. DYR-6050.
C16	3D374	CAPACITOR: fixed; paper; 2 mf ±10%: 600 v dc (working); C-D No. TLA6020.
C17		CAPACITOR: same as C12.
C18		CAPACITOR: same as C12.

49. **Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M**

a. Radio Receiver BC-603-(*) and BC-603-(*)M (contd)

Ref symbol	Signal Corps stock No.	Name of part and description
C19	3DA2-16	CAPACITOR: fixed; mica; 2,000 mmf ±10%; 500 v dc (working); C-D No. 1W.
C20.1	3DA100-27	CAPACITOR: fixed; oil-filled; 3-section; 100,000 mmf ±10%; 600 v dc (working); 100,000 mmf ±10%; 600 v dc (working); 100,000 mmf; ±10%; 600 v dc (working); C-D No. VC-932.
C20.2		CAPACITOR: same as C20-1.
C20.3		CAPACITOR: same as C20.1.
C21		CAPACITOR: same as C12.
C22	3DA5-8	CAPACITOR: fixed; mica; 5,000 mmf ±5%; 300 v dc (working); C-D No. 1W.
C23	3DB40-1	CAPACITOR: fixed; electrolytic; 40 mf ±10%; 25 v dc (working); C-D No. special.
C24	3DB1.6100A	CAPACITOR: fixed; oil-filled; paper; 1 mf ±10%; 600 v dc (working); C-D No. DY-6100.
C25	3DB2.88A	CAPACITOR: fixed; oil-filled; paper; 2 mf ±10%; 1200 v dc (working); WE Co. No. 288A.
C26	3D9500-60	CAPACITOR: fixed; mica; 500 mmf; 500 v dc (working); C-D No. 1W.
C35		CAPACITOR: same as C2.
C35†	3DA10-73.1	CAPACITOR: fixed; mica; 10,000 mmf ±20%; 300 v dc (working); C-D No. 1W.
C36	3D9010-5	CAPACITOR: fixed; ceramic; 10 mmf; ±10%; 500 v dc (working); Erie No. N680K.
C38		CAPACITOR: same as C36.
C39		CAPACITOR: same as C2.
C41	3D9700	CAPACITOR: fixed; mica; 700 mmf ±2%; 500 v dc (working); C-D No. 2R.
C42	3K202D121	CAPACITOR: fixed; mica; 200 mmf ±4%; 500 v dc (working) ASA type CM20201K.
C43	3K2010133	CAPACITOR: fixed; mica; 100 mmf ±2%; 500 v dc (working); ASA type CM20C101G.

† Indicates modification during manufacture.

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

a. Radio Receiver BC-603-(*) and BC-603-(*)M (contd)

Ref symbol	Signal Corps stock No.	Name of part and description
C43†	3K2024132	CAPACITOR: fixed; mica; 250 mmf ±5%; 500 v dc (working); AWS type CM20C241J.
C44	3D9030-3	CAPACITOR: fixed; ceramic; 30 mmf ±5%; 500 v dc (working); Erie No. N-080-L.
C45		CAPACITOR: same as C43.
C52		CAPACITOR: same as C36.
C51		CAPACITOR: same as C2.
C53	3K2051032	CAPACITOR: fixed; mica; 50 mmf ±5%; 500 v dc (working); ASA type CM20C510J.
C54		CAPACITOR: same as C53.
C56		CAPACITOR: same as C2.
C61		CAPACITOR: same as C43.
C63		CAPACITOR: same as C53.
C64		CAPACITOR: same as C36.
C65		CAPACITOR: same as C36.
C66		CAPACITOR: same as C53.
C67		CAPACITOR: same as C2.
C71		CAPACITOR: same as C53.
C73		CAPACITOR: same as C53.
C74		CAPACITOR: same as C36.
C75		CAPACITOR: same as C36.
C76		CAPACITOR: same as C53.
C77		CAPACITOR: same as C2.
C82		CAPACITOR: same as C2.
C83		CAPACITOR: same as C2.
C85		CAPACITOR: same as C53.
C86		CAPACITOR: same as C53.

† Indicates modification during manufacture.

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

a. Radio Receiver BC-603-(*) and BC-603-(*)M (contd)

Ref symbol	Signal Corps stock No.	Name of part and description
C87	3K2024032	CAPACITOR: fixed; mica; 25 mmf ±5%; 500 v dc (working); ASA type CM20C240J.
C88		CAPACITOR: same as C36.
C91		CAPACITOR: same as C53.
C93		CAPACITOR: same as C43.
C94		CAPACITOR: same as C53.
D1	2C4403A/S2	SWITCH: toggle; SPST; H & H special; WE Co. No. ESO-676800-6.
D2		SWITCH: same as D1.
D3	2C4403A/S4	SWITCH: toggle; SPST; WE Co. No. ESO-676800-23.
D4	2C4403A/S3	SWITCH: toggle; SPST and SPDT; WE Co. No. ESO-680937-1.
D5	3Z9849-71	SWITCH: toggle; 2-circuit; rear-tug type; C-H No. 8284.
FL4	2C4403A/F4	TRANSFORMER ASSEMBLY: descriminator input; WE Co. No. ESL-680250-1.
FM1	3Z3282	HOLDER: fuse; extractor post type; for single 4AG fuse; Littelfuse No. 1212.
FM2		HOLDER: same as FM1.
L1	2C4403A/C7	COIL: a-f; filter; WE Co. No. SC-1002.
FL2	2C4403A/F2	TRANSFORMER ASSEMBLY: i-f; 2.65 mc; 2d i-f; WE Co. No. ESL-680249-1.
FL3	2C4403A/F3	TRANSFORMER ASSEMBLY: i-f; 2.65 mc; 3d i-f; WE Co. No. ESL-680249-2.
LCU4	2C4403A/C21	COIL ASSEMBLY: r-f; i-f oscillator tuning; WE Co. No. ESL-680247-1.
LS1	6C35	SPEAKER: dynamic; 4"; Jensen type PM-4-FS.
P1	2Z7298-1	RESISTOR: variable; metalized; 100,000 ohms; 1/2W; IRC type CS.
P2	2Z7299	RESISTOR: variable; wire-wound; 200 ohms; IRC type W.

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

a. Radio Receiver BC-603-(*) and BC-603-(*)M (contd)

Ref symbol	Signal Corps stock No.	Name of part and description
PG1	2C4403A/P1	CONNECTOR: male contact; Cannon special; for special connections.
PG2	2Z7228	CONNECTOR: male contact; dynamotor; Jones type P-318-AB.
PG3	2C4403A/J1	CONNECTOR: male contact; front panel.
LCU1	2C4403A/C18	COIL ASSEMBLY: r-f; antenna coupling; WE Co. No. ESL-680245-1.
LCU2	2C4403A/C19	COIL ASSEMBLY: r-f; modulator input tuning; WE Co. No. ESL-680246-1.
LCU3	2C4403A/C20	COIL ASSEMBLY: r-f; r-f oscillator tunnng; WE Co. No. ESL-693224-1.
E1	2Z5893-1	LAMP: glow; 105-125 v; clear; miniature bayonet base; Mazda No. NE-20.
ES1	2Z5990-3	LAMP HOLDER: pilot; bayonet type; Drake No. 30; WE Co. No. ES0-680506-1.
F1	3Z1924	FUSE FU-24: 15 amp, 25 v; Littelfuse 4AG.
FL1	2C4403A/F1	TRANSFORMER ASSEMBLY: i-f; 2.65 mc; 1st i-f; WE Co. No. ESL-680248-1.
R1	3Z4530	RESISTOR RS-130: fixed; carbon; 20,000 ohms ±10%; 1/2W; Spec. type RC21BE203J.
R1‡	3RC31BE303J	RESISTOR: fixed; carbon; 30,000 ohms ±10%; 1W; Spec. type RC31BE303J.
R2	3Z4562	RESISTOR RS-163; fixed; carbon; 250,000 ohms ±10%; 1/2W; Spec. type RC21BE244J.
R3	3RC21BE510J	RESISTOR RS-124: fixed; carbon; 500 ohms ±10%; 1/2W; Spec. type RC21BE511J.
R4	3RC21BE512J	RESISTOR RS-131: fixed; carbon; 50,000 ohms ±10%; 1/2W; Spec. type RC21bE513J.
R5	3RC21BE301J	RESISTOR: fixed; carbon; 300 ohms ±10%; 1/2W; Spec. type RC21BE201J.
R6	3Z4550	RESISTOR RS-150: fixed; carbon; 100,000 ohms ±10%; 1/2W; Spec. type RC21BE104K.
R7		RESISTOR: same as R1‡.

‡ Indicates modification during manufacture.

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

a. Radio Receiver BC-603-(*) and BC-603-(*)M (contd)

Ref symbol	Signal Corps stock No.	Name of part and description
R8	3RC41BE203J	RESISTOR: fixed; carbon; 20,000 ohms ±5%; 2W; Spec. type RC41BE203J.
R8‡	3RC21BE683J	RESISTOR: fixed; carbon; 70,000 ohms ±10%; 1/2W; Spec. type RC21BE683J.
R9	3RC21BE102K	RESISTOR RS-125: fixed; carbon; 1,000 ohms ±10%; 1/2W; Spec. type RC21BE102K.
R10		RESISTOR RS-162: same as R2.
R11	3RC21BE105K	RESISTOR RS-134: fixed; carbon; 1 meg ±10%; 1/2W; Spec. type RC21BE105K.
R12	3RC21BE202J	RESISTOR RS-126: fixed; carbon; 2,000 ohms ±5%; 1/2W; Spec. type RC21BE202J.
R13	3Z4529	RESISTOR RS-129: fixed; carbon; 10,000 ohms ±10%; 1/2W; Spec. type RC21BE103K.
R14		RESISTOR RS-162: same as R2.
R15		RESISTOR RS-134: same as R11.
R16		RESISTOR RS-134: same as R11.
R17		RESISTOR RS-162: same as R2.
R18		RESISTOR RS-150: same as R6.
R19	3RC21BE205J	RESISTOR RS-142: fixed; carbon; 2 meg ±5%; 1/2W; Spec. type RC21BE205J.
R20	3Z6030-11	RESISTOR: fixed; carbon; 300 ohms ±10%; 1W; IRC BW1.
R21	3RC41BE302J	RESISTOR: fixed; composition; 30,000 ohms ±10%; 2W; Spec. type RC41BE303J.
R22	3RC21BE303J	RESISTOR RS-140: fixed; carbon; 30,000 ohms ±10%; 1/2W; Spec. type RC21BE303J.
R23	3RC21BE511J	RESISTOR RS-128: fixed; carbon; 500 ohms ±10%; 1/2W; Spec. type RC21BE512J.
R24	3Z6005-13	RESISTOR: fixed; wire-wound; 50 ohms ±5%; 1/2W; IRC-BW1/2.
R25	3Z6250-6	RESISTOR: fixed; wire-wound; 25,000 ohms ±5%; 1/2W; IRC-BW1/2.

‡ Indicates modification during manufacture.

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

a. Radio Receiver BC-603-(*) and BC-603-(*)M (contd)

Ref symbol	Signal Corps stock No.	Name of part and description
R26	3RC21BE122J	RESISTOR: fixed; carbon; 1,200 ohms ±5%; 1/2W; Spec. type RC21BE122J.
R27		RESISTOR: same as R25.
R28		RESISTOR: same as R25.
R29	3RC41BE132J	RESISTOR: fixed; carbon; 13,000 ohms ±5%; 2W, Spec. type RC41BE133J.
R30	3Z4805	RESISTOR: fixed; wire-wound; 5 ohms ±5%; W-L type Z.
R31	3RC31BE682J	RESISTOR: fixed; carbon; 6,800 ohms ±5%; 1W; Spec. type RC31BE682J.
R32		RESISTOR RS-140: same as R22.
R33		RESISTOR RS-140: same as R22.
R37		RESISTOR RS-162: same as R2.
R38		RESISTOR RS-125: same as R9.
R41		RESISTOR RS-150: same as R6.
R42		RESISTOR: same as R14.
R43		RESISTOR: same as R14.
R51		RESISTOR RS-162: same as R2.
R52		RESISTOR RS-140: same as R22.
R53		RESISTOR RS-150: same as R6.
R54		RESISTOR RS-150: same as R6.
R61↓		RESISTOR RS-150: same as R6.
R62↓	3RC21BE433J	RESISTOR: fixed; carbon; 43,000 ohms ±10%; 1/2W; IRC-BT1/2.
R63		RESISTOR RS-129: same as R13.
R64		RESISTOR RS-125: same as R9.
R71		RESISTOR RS-162: same as R2.
R72		RESISTOR RS-140: same as R22.
R73↓		RESISTOR RS-129: same as R13.

↓ Indicates modification during manufacture.

49. **Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M**

a. Radio Receiver BC-603-(*) and BC-603-(*)M (contd)

Ref symbol	Signal Corps stock No.	Name of part and description
R74†		RESISTOR RS-125: same as R9.
R81		RESISTOR: same as R84†.
R82		RESISTOR RS-162: same as R2.
R83		RESISTOR: same as R84†.
R84		RESISTOR RS-162: same as R2.
R85		RESISTOR: same as R9.
R91		RESISTOR RS-150: same as R6.
R92	3RC21BE393K	RESISTOR: fixed; carbon; 39,000 ohms ±10%; 1/2W; Spec. type RC21BE393K.
R93		RESISTOR: same as R92.
R94†		RESISTOR RS-142: same as R19.
R95†	3RC21BE153K	RESISTOR: fixed; carbon; 15,000 ohms ±10%; 1/2W; Spec. type RC21BE153K.
R96†		RESISTOR RS-140: same as R22.
T1	2C4403A/T3	TRANSFORMER: a-f; output; WE Co. special No. SO-1005 per KS-8714.
V1	2J6AC7	TUBE JAN-6AC7: VT-112.
V2		TUBE JAN-6AC7: same as V1.
V3	2J6J5	TUBE JAN-6J5: VT-94.
V4	2J12SG7	TUBE JAN-12SG7: VT-209.
V5		TUBE JAN-12SG7: same as V4.
V6		TUBE JAN-6AC7: same as V1.
V7	2J6H6	TUBE JAN-6H6: VT-90.
V8	2J6V6GT/G	TUBE JAN-6V6: VT-107A.
V9	2J6SL7GT	TUBE JAN-6SL7: VT-229.
V10		TUBE JAN-6SL7: same as V9.
VS1	2C4403A/S1	SOCKET: tube; octal; WE Co. No. ESL-678315-1.

† Indicates modification during manufacture.

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

a. Radio Receiver BC-603-(*) and BC-603-(*)M (contd)

Ref symbol	Signal Copps stock No.	Name of part and description
VS2		SOCKET: same as VS1.
VS3		SOCKET: same as VS1.
VS4		SOCKET: same as VS1.
VS5		SOCKET: same as VS1.
VS6		SOCKET: same ss VS1.
VS7		SOCKET: same as VS1.
VS8		SOCKET: same as VS1.
VS9		SOCKET: same as VS1.
VS10		SOCKET: same as VS1.
	2C4403A/B1	BINDING POST: "A"; WE Co. No. ESO-678764-16.
	2C4403A/B2	BINDING POST: "G"; WE Co. No. ESO-678764-20.
	2C4403A/B3	BRACKET: hold-down; WE Co. No. ESO-680124-2.
	2C4403A/J3	INSULATOR: feed-through; WE Co. No. ESO-680241-2.
	2C4403A/K2	KNOB: round; metal; marked VOLUME; WE Co. No. ESO-680382-3.
	2C6494A/S6/2	LOCK ASSEMBLY: push-button tuner.
	2C1617A/S2.1	SCREW: special; WE Co. No. ESO-677334-11; for mounting PG1.
	2C4403A/S5	TUNING ASSEMBLY: push-button; WE Co. No. KS-10099.

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

b. Radio Transmitters BC-604-(*) and BC-604-(*)M.

Ref symbol	Signal Corps stock No.	Name of part and description
	2C4403A/B1	BINDING POST: antenna.
	2C6494A/B2	BINDING POST: ground.
	2C6494A/B3	BUTTON: brass; plug; United Carr No. 4816l.
	2C6494A/C22	CABLE ASSEMBLY: coaxial; (from PG101 to "A" binding post and S101).
	2C6494A/C23	CABLE ASSEMBLY: coaxial; (from S101 to A binding post).
C101	3DA3-6	CAPACITOR: fixed; 3,000 mmf ±20%; 800 v dc (working); C-D type 1WPS.
C103	3D9100-92	CAPACITOR: 100 mmf ±10%; 800 v dc (working); Dubilier No. 1WP.
C104	3D9500-20	CAPACITOR: fixed; 500 mmf ±10%; 800 v dc (working); Dubilier No. 1WP.
C105	3D9015-6	CAPACITOR: fixed; 15 mmf ±10%; 500 v dc (working); Erie No. N680K.
C108		CAPACITOR: same as C-104.
C109		CAPACITOR: same as C101
C111		CAPACITOR: same as C101.
C112		CAPACITOR: same as C101.
C117		CAPACITOR: same as C101.
C118		CAPACITOR: same as C101
C121		CAPACITOR: same as C101.
C122		CAPACITOR: same as C101.
C123	3K4010314	CAPACITOR: fixed; 10,000 mmf ±10%; 300 v dc (working); Dubilier 1D.
C124	3K4510223	CAPACITOR: fixed; 1,000 mmf; 2,500 v, ±2%; CD type 4.
C127	3D9100V-1	CAPACITOR: variable; air; 100 mmf; push-button assembly; (insulated shaft slot).
C128		CAPACITOR: same as C127.

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

b. Radio Transmitter BC-604-(*) and BC-604-(*)M (contd)

Ref symbol	Signal Corps stock No.	Name of part and description
C129		CAPACITOR: same as C127
C130		CAPACITOR: same as C127.
C131		CAPACITOR: same as C127.
C132		CAPACITOR: same as C127.
C133		CAPACITOR: same as C127.
C134		CAPACITOR: same as C127.
C135		CAPACITOR: same as C127.
C136		CAPACITOR: same as C127.
C137	3DA500-27	CAPACITOR: fixed; 500,000 mmf ±20%; 600 v dc (working); Dubilier DYRT-6050-N.
C138.1	3DA100-28	CAPACITOR: fixed; 100,000 mmf ±10%; 100,000 mmf; Dubilier No. DYRT-6011.
C138.2		CAPACITOR: same as C138.1
C139		CAPACITOR: same as C137.
C140	2C6494A/C6	CAPACITOR: electrolytic; 30 mf; 50 v dc (working); Mallory type FP.
C141		CAPACITOR: same as C137.
C142.1		CAPACITOR: same as C138.1.
C142.2		CAPACITOR: same as C138.1
C143		CAPACITOR: same as C137.
C144	2C6494A/C4	CAPACITOR: electrolytic; 100 mf; 50 v dc (working); Mallory type FA-10125.
C145	3DB2.21	CAPACITOR: fixed; 2 mf ±10%; 1,000 d-c (working), Dubilier No. TLA-10020.
C146		CAPACITOR: same as C101.
C147	3D9175-5	CAPACITOR: fixed; 175 mmf ±3%; 500 v dc (working); Dubilier No. IR.
C148		CAPACITOR: same as C101.

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

b. Radio Transmitter BC-604-(*) and BC-604-(*)M (contd)

Ref symbol	Signal Corps stock No.	Name of part and description
C149		CAPACITOR: same as C124.
C150	3DA1-72	CAPACITOR: fixed; mica; 1,000 mmf ±10%; 800 v; Dubilier No. 1WP.
C151	3D9050-53	CAPACITOR: fixed; 50 mmf ±5%; 800 changeable; CD type 5RP.
C154		CAPACITOR: same as C101.
C155		CAPACITOR: same as C101.
C158		CAPACITOR: same as C101.
C159		CAPACITOR: same as C123.
C161	3D9100-70	CAPACITOR: fixed; 100 mmf ±10%; 800 v dc (working); Dubilier No. 5WP.
C162	2C6494A/C5	CAPACITOR: electrolytic; 4 mf; 50 v dc (working); Dubilier type AVL.
	2C6494A/C32	CLAMP: cable-wiring; Diamond Exp. Bolt Co. No. 6.
	2C6494A/C28	CLAMP ASSEMBLY: (for tube).
	2C6494A/C31	CONNECTOR: (plate of V104); No. 16 wire and No. 24 grid grip; National Co. No. 24.
	2C6494A/P7	COVER PLATE: for antenna-switch assembly.
D101	2C6494A/S6/4	SWITCH: SPST; (p/o push-button tuning unit; quartz plate selector).
D102		SWITCH: same as D101
D103		SWITCH: same as D101.
D104		SWITCH: same as D101
D105		SWITCH: same as D101.
D106		SWITCH: same as D101
D107		SWITCH: same as D101.
D108		SWITCH: same as D101.
D109		SWITCH: same as D101.

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

b. Radio Transmitter BC-604-(*) and BC-604-(*)M (contd)

Ref symbol	Signal Corps stock No.	Name of part and description
D110		SWITCH: same as D101.
D111	2C6494A/S6/3	SWITCH: SPST; (p/o push-button tuning unit; antenna-capacitor selector).
D112		SWITCH: same as D111.
D113		SWITCH: same as D111.
D114		SWITCH: same as D111.
D115		SWITCH: same as D111.
D116		SWITCH: same as D111.
D117		SWITCH: same as D111.
D118		SWITCH: same as D111.
D119		SWITCH: same as D111.
D120		SWITCH: same as D111.
D121	2C6494A/S3	SWITCH: toggle; DPDT; (for panel meter and receiver tune).
D122		SWITCH: same as D121.
D123	3Z9858-8.20	SWITCH: toggle; DPST; (for radio interphone).
D124		SWITCH: same as D123; (for power supply).
D125	2C6494A/S5	SWITCH: rotary; w/slotted shaft.
D126		SWITCH: same as D121.
ES101	2Z5883-153	LAMP MOUNTING ASSEMBLY: Farnsworth No. ES680243-5.
F101	3Z2595.3	FUSE: 1/2 amp, 250 v; Littelfuse type 4AG.
FM101	3Z3282	FUSE MOUNTING: Littelfuse No. 1212.
FM102		FUSE MOUNTING: same as FM101.
	2C6494A/J4	INSULATOR: antenna binding post.
	2C6494A/J3	INSULATOR: crystal socket stud, long.
	2C4403A/J3	INSULATOR: ground binding post.

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

b. Radio Transmitter BC-604-(*) and BC-604-(*)M (contd)

Ref symbol	Signal Corps stock No.	Name of part and description
	2C6494A/J2	INSULATOR: crystal socket stud, short.
J101	2C6494A/R1	RECEPTACLE: dynamic microphone; Amphenol No. AN-3102-14S-2S w/cap 9760-14-S.
J102	2Z5575	JACK: (carbon microphone).
	2C6494A/S6/2	LOCK ASSEMBLY: for push-button tuning mechanism.
L101	2C6494A/C8	COIL: 1st r-f, plate choke.
L102	2C6494A/C9	COIL: osc plate.
L103	2C6494A/C10	COIL: 1st r-f, plate tuning.
L104	2C6494A/C11	COIL: choke; (modulation, retardation); WE Co. No. SC-1003.
L105	2C6494A/C12	COIL: audio r-f choke; WE Co. No. 590.
L106	2C6494A/C13	COIL: trippler-grid and plate-tuning.
L107		COIL: same as L106.
L108	2C6494A/C14	COIL: tripler plate-tuning.
L110	2C6494A/C15	COIL: ant coup output-tuning.
L111		COIL: same as L110.
L116	3Z1892-1.5	COIL osc and amp-grid; anti-sing; WE Co. 680330-2.
L117		COIL: same as L116.
L118	2C6494A/C17	COIL: rect plate-tuning; doubler grid-tuning.
L119		COIL: same as L118.
L120	3C357-3	COIL: power amp/plate choke.
M101	3F910-27	AMMETER: (must be Weston model No. 507 per ESO-680241-1); Scale 0-100.
P101	2Z7288-3	POTENTIOMETER: sidetone-control; 50,000 ohms; IRC type CP; less switch.
PG101	2C6494A/P1	PLUG: external connection; Cannon special.
PG103	2Z7228-20	PLUG: dynamotor; 1/16 plug; Jones P-408-AB.

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

b. Radio Transmitter BC-604-(*) and BC-604-(*) and BC-604-(*)M (contd)

Ref symbol	Signal Corps stock No.	Name of part and description
PG104		PLUG: same as PG103.
R101	3RC21AE104K	RESISTOR RS-150: 100,000 ohms ±10%; 1/2 W; IRC BT-1/2; RC21BE104K.
R102	3Z5410.2	RESISTOR: 1,000 ohms ±10%; 20 W; WL type T.
R103	3RC31BE244J	RESISTOR: 250,000 ohms ±10%; 1 W; IRC BT-1; RC31BE244J.
R104	3RC21AE513J	RESISTOR RS-131: 50,000 ohms ±10%; 1/2 W; IRC BT-1/2; RC21BE513J.
R105	3RC20AE244J	RESISTOR RS-162: 250,000 ohms ±10%; 1/2 W; insulated; IRC BT 1/2; RC21BE244J.
R106	3Z6010-18	RESISTOR: 100 ohms ±10%; 1/2 W; IRC BW-1/2.
R107		RESISTOR: same as R101.
R108	3Z6005-13	RESISTOR: 50 ohms ±10%; 1/2 W; BE-1/2.
R109	3RC41BE104J	RESISTOR: 100,000 ohms ±5%; 2 W; IRC BT-2.
R110	3RC21BE102K	RESISTOR RS-125: carbon; 1,000 ohms ±10%; 1/2 W; IRC BT-1/2; RC21BE102K.
R111	3RC31BE103K	RESISTOR: 10,000 ohms ±10%; 1/2 W; IRC BT-1; RC31BE103K.
R112	3Z6001-2	RESISTOR: wire-wound; 10 ohms ±5%; 1/2 W; IRC BW-1/2.
R113	3Z4801-1	RESISTOR: 1 ohm ±10%; (type 1-3/4" Z with No. 206 type terminals).
R114	3RC41BE303J	RESISTOR: 30,000 ohms ±5%; 2 W; IRC BT-2; RC41BE303J.
R115		RESISTOR: same as R101.
R116		RESISTOR: same as R114.
R117		RESISTOR: same as R104.
R118		RESISTOR: same as R114.
‡R118		RESISTOR: same as R109.
R119	3RC21BE122K	RESISTOR: 1,200 ohms ±10%; 1/2 W; IRC BT-1/2; RC21BE122K.

‡ "Modified during manufacture."

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

b. Radio Transmitter BC-604-(*) and BC-604-(*)M (contd)

Ref symbol	Signal Corps stock No.	Name of part and description
R120	3Z6020-9	RESISTOR: 200 ohms ±10%; 1 W; IRC BW-1.
R121		RESISTOR: same as R106.
R122		RESISTOR: same as R103.
R123		RESISTOR: same as R111.
R124	3RC21AE103K	RESISTOR RS-129: carbon; 10,000 ohms ±10%; 1/2 W; IRC BT-1/2; RC21BE103K.
R125	3RC21BE393K	RESISTOR: 40,000 ohms ±10%; 1/2W; IRC BT1/2.
R126	3RC41BE753J	RESISTOR: 75,000 ohms ±10%; 2 W; IRC BT-2; RC41BE753J.
R127		RESISTOR: same as R113.
R128		RESISTOR: same as R124.
R129	3Z5450.4	RESISTOR: 5,000 ohms ±10%; 25 W; WL type A.
R130	3Z4900-1	RESISTOR: 100 ohms ±10%; 10 W; WL type Z.
R131	3Z4812	RESISTOR: 12 ohm ±5%; 25 W; WL type 2A.
R132		RESISTOR: same as R131.
R133	3Z4580	RESISTOR RS-180; 50 ohms ±10%; 10 W; wire-wound; (for Radio Transmitter BC-604-(*)M only).
R134	3RC21BE303J	RESISTOR RS-140; 30,000 ohms ±10%; 1/2 W; IRC-BT 1/2.
R135		RESISTOR: same as R133.
R136		RESISTOR: same as R134.
R138		RESISTOR: same as R104.
R139		RESISTOR: same as R101.
R140		RESISTOR: same as R131.
R141		RESISTOR: same as R131.
R142		RESISTOR: same as R104.
R143		RESISTOR RS-125: same as R110.
R144		RESISTOR RS-150: same as R101.

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

b. Radio Transmitter BC-604-(*) and BC-604-(*)M (contd)

Ref symbol	Signal Corps stock No..	Name of part and description
R145		RESISTOR: same as R109.
R146	3Z6005-9	RESISTOR: 50 ohms ±10%; 1/2 W; IRC F-1/2.
R147		RESISTOR: same as R102.
R148	3Z4528	RESISTOR RS-128: 5,000 ohms ±10%; 1/2 W; IRC BT-1/2; RC21BE512J.
R150	3RC31BE243J	RESISTOR: 25,000 ohms ±10%; 1 W; IRC BT-1; RC31BE243J.
R151	3RC31BE104K	RESISTOR RS-208: 100,000 ohms ±10%; 1 W; IRC BT-1; RC31BE104K.
R152	3Z5420.3	RESISTOR: 2,000 ohms ±10%; 8 W; WL type Z.
R153	3Z5998-2	RESISTOR: 8.2 ohms ±10%; 17 W; IRC type MW-5.
R154		RESISTOR: same as R153.
R155		RESISTOR RS-150: same as R101.
R156	3Z6004-1	RESISTOR: 40 ohms ±10%; 1 W; IRC BW-1.
R157		RESISTOR: same as R109.
R158		RESISTOR: same as R109.
S101	2C6494A/R2	RELAY: antenna-switching; 44 ohms ±5%; Allied Control Co. type HRX-2.
S102	2C6494A/R3	RELAY: dynamotor-starting; Allied Control Co. type Box-11.
S103	2C6494A/R5	RELAY: receiver-disabling; Allied Control Co. type J.
S104	2C6494A/R4	RELAY AND SWITCH ASSEMBLY: inter-phone; Oak Mfg. Co. No. 5325.
	2C6494A/P1/1	SCREW; for mounting plug PG-101.
	2C6530-684 A/S9	SCREW: hold down; including spacer nut and spring.
T101	2C6494A/T2	TRANSFORMER: microphone-input.
T102	2C6494A/T3	TRANSFORMER: audio-output.
TC101	3F910-27/T1	THERMOCOUPLE: 120 ma; Weston.
TD101	2Z9183	THERMOSTAT: crystal oven.

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

b. Radio Transmitter BC-604-(*) and BC-604-(*)M (contd)

Ref symbol	Signal Corps stock No.	Name of part and description
VS101	2C4403A/S1	SOCKET: tube; isolantite; 8-prong.
VS102		SOCKET: same as VS101.
VS103		SOCKET: same as VS101.
VS104	2Z8711	SOCKET: tube; isolantite; 5-prong.
VS105		SOCKET: same as VS101.
VS106		SOCKET: same as VS101.
VS107		SOCKET: same as VS101.
VS108		SOCKET: same as VS101.
	2C6494A/S11	SPACER ASSEMBLY: tube-lock assembly.
	2C6494A/S10	STRIP SOCKET: crystal.
	2C6494A/S6	TUNING ASSEMBLY: r-f; push button; WE Co. No. KS-10098; (includes all capacitors and switches).
V101	2J1619	TUBE JAN-1619.
V102		TUBE JAN-1619: same as V101.
V103		TUBE JAN-1619: same as V101.
V104	2J1624	TUBE JAN-1624.
V105		TUBE JAN 1619: same as V101.
V106		TUBE JAN 1619: same as V101.
V107		TUBE JAN 1619: same as V101.
V108		TUBE JAN 1619: same as V101.

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

c. Interphone Amplifier BC-605-(*) and BC-605-(*)M

Ref symbol	Signal Corps stock No.	Name of part and description
	2C1617A/B1	BRACKET: hold-down; (for amplifier).
C201	3DA500-27	CAPACITOR: paper; 500,000 mmf +20%, -10%; 600 v dc (working); Dubilier DYRT-6050.
C202		CAPACITOR: same as C201.
C203.1	3DA100-29	CAPACITOR: paper; 100,000-100,000 mmf +20% -10%; 600 v dc (working); Dubilier DYRT-6111.
C203.2		CAPACITOR: same as C203.1.
C203.3		CAPACITOR: same as C203.1.
C206		CAPACITOR: same as C201.
C207		CAPACITOR: same as C201.
C210	3DB2.6020	CAPACITOR: paper; 2 mf ±10%; 600 v dc (working); Dubilier TLA-6020.
C211	3DA5-14	CAPACITOR: mica; 5,000 mmf ±10%; 300 v dc (working); Dubilier type 1W.
C212	2C6494A/C5	CAPACITOR: electrolytic; 4 mf 50 v dc (working); Dubilier type AVL.
	2C1617A/C1	COVER: dust.
D201	2C1617A/S3	SWITCH: toggle; DPST; H and H.
ES201	2Z5990-4	LAMP ASSEMBLY: pilot lamp; miniature; (bayonet base).
F201	3Z1924	FUSE FU-24: 15 amp; 25 v; Littelfuse type 4AG.
FM201	3Z3282	FUSE HOLDER: extractor post; Littelfuse type No. 1212.
	2C1617A/G1	GUARD: w/screws and lockwasners; (protects front panel).
FM202		FUSE HOLDER: same as FM201.
J201	2Z5575	JACK: carbon; microphone.
J202	2C6494A/R1	RECEPTACLE: magnetic; microphone; 4-contact connector; Amphenol No. AN-3102-14S-2S.
J203	2C4403A/J1	JACK: headset.
J204		JACK: same as J203.

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

c. Interphone Amplifier BC-605-(*) and BC-605-(*)M (contd)

Ref symbol	Signal Corps stock No.	Name of part and description
	2C4403A/K2	KNOB: volume control.
	2C1617A/M1	MOUNTING: resistor.
P201	2Z7288-3	POTENTIOMETER: 50,000 ohms; IRC type CP, taper B.
PG201	2C1617A/P1	PLUG: external connections; 10-conductor; Cannon special.
PG202	2Z7228	PLUG: female; dynamotor connections; 18-contact; Jones P-318-AB.
R201	3Z6010-18	RESISTOR: wire; 100 ohms ±10%; 1/2 W; (insulated); IRC type BW-1/2.
R202	3Z6020-7	RESISTOR: wire; 200 ohms ±10%; 1/2 W; (insulated); IRC type BW-1/2.
R203	3Z4550	RESISTOR: carbon; 100,000 ohms ±10%; 1/2 W; (insulated); AWS type 21BE104K.
R204	3Z4525	RESISTOR: carbon; 1,000 ohms ±10%; 1/2 W; (insulated); AWS type RC21BE103K.
R206	3Z4801-1	RESISTOR: 1 ohm ±5%; Ward-Leonard Co. type Z.
R207	3Z6725-5	RESISTOR: carbon; 250,000 ohms ±10%; 1 W; (Insulated); AWS type RC31BE244J.
R208	3Z4529	RESISTOR: carbon; 10,000 ohms ±10%; 1/2 W; (insulated); AWS type RC21BE104K.
R209	3Z4549	RESISTOR: carbon; 40,000 ohms ±10%; 1/2 W; (insulated); AWS type RC2188B.
R210	3Z6610-16	RESISTOR: carbon; 10,000 ohms ±10%; 2 W; (insulated); AWS type RC41BE104K.
R211	3Z4880	RESISTOR: 80 ohms ±10%; Ward Leonard Co., type Z.
R213	3Z814	RESISTOR: 14 ohms; ±5%; 2" size; Ward-Leonard Co., type B.
R214	3Z4802-1	RESISTOR: 2 ohms ±5%; Ward-Leonard Co., type T.
R215		RESISTOR: same as R208.
R216		RESISTOR: same as R208.

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

c. Interphone Amplifier BC-605-(*) and BC-605-(*)M (contd)

Ref symbol	Signal Corps stock No.	Name of part and description
R217	3Z4608	RESISTOR: carbon; 100,000 ohms ±10%; 1 W; (insulated); AWS type RC31BE104K.
R218	3Z6030-12	RESISTOR: wire; 300 ohms ±10%; 1/2 W; (insulated); IRC type BW-1/2.
R219	3Z6670-1	RESISTOR: carbon; 70,000 ohms ±10%; 1/2 W; (insulated); AWS type RC21BE683J.
R220		RESISTOR: same as R213.
S201	2C1617A/R2	RELAY: (dynamotor-starting); Allied Control Co. type AC.
T201	2C6494A/T2	TRANSFORMER: microphone-input; WE Co. Dwg SI-1005.
T202	2C4403/T3	TRANSFORMER: audio-output; WE Co. Dwg SO-1005.
VS201	2C4403A/S1	SOCKET: tube; 8-prong; octal; Ucinite Co. EX-1020-8.
VS202		SOCKET: same as VS201.
	2C4403A/P1/1	SCREW: mounts; (cannon plug).
	2C1617A/S1	SPACER ASSEMBLY: tube lock.
		-GENERAL HARDWARE
	6L3104-40	NUT: brass; hex; No. 4-40.
	6L3106-32	NUT: brass; hex; No. 6-32.
	6L6440-6.5	SCREW: machine; brass; roundhead; No. 4-40 x 3/8"; (nickel-plated).
	6L6632-8.5	SCREW: machine; brass; roundhead No. 6-32 x 1/2"; (nickel-plated).
	6L6832-16.7	SCREW: machine; brass; fillister-head; No. 8-32 x 1"; (nickel-plated).
	6L6832-16.5	SCREW: machine; brass; roundhead; No. 8-32 x 1"; (nickel-plated).
	6L7224	WASHER: lock; internal teeth; (for No. 4 screw).
	6L72206	WASHER: internal teeth; (for No. 6 screw).

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

d. Dynamotors DM-34-(*), DM-35-(*), DM-36-(*), and DM-37-(*) (1) Dynamotors DM-34-(*) and DM-36-(*)

Ref symbol	Signal Corps stock No.	Name of part and description
	3H1634A/B4	BRUSH: carbon; low-voltage; with spring.
	3H1634A/B5	BRUSH: carbon; high-voltage; with spring.
C701	3DA5-13	CAPACITOR: fixed; mica; 5,000 mmf; 800 v dc (working); C-D type 3WP.
C702		CAPACITOR: same as C701.
C703		CAPACITOR: same as C701.
C704		CAPACITOR: same as C701.
C705		CAPACITOR: same as C701.
C706		CAPACITOR: same as C701.
C801		CAPACITOR: same as C701.
C802		CAPACITOR: same as C701.
C803		CAPACITOR: same as C701.
C804		CAPACITOR: same as C701.
C805		CAPACITOR: same as C701.
C806		CAPACITOR: same as C701.
J701	3H1634A/R1	RECEPTACLE: Jones S-318-AB.
J801		RECEPTACLE: same as J701.
L701	2C4403A/C8	COIL: choke; filter; iron-core; high-voltage.
L702	3H1634A/C1	COIL: r-f choke; low-voltage.
L703	3H1634A/C2	COIL: r-f choke; low- and high-voltage.
L704		COIL: same as L703.
L801		COIL: same as L701.
L802		COIL: same as L702.
L803		COIL: same as L703.
L804		COIL: same as L703.
	3H1634A/S1	SCREW: mounting; 10-32 x 1" special.
	6G670	LUBRICANT: type S-58; 1/4-lb can.

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

d. Dynamotors DM-34-(*), DM-35-(*), DM-36-(*), and DM-37-(*) (contd) (2) Dynamotors DM-35-(*) and DM-37-(*)

Ref symbol	Signal Corps stock No.	Name of part and description
		SECTION I
C501-C601	[redacted]3DA2-63.1	CAPACITOR: mica; 2,000 mmf; 800 v dc (working); C-D type 1WPS.
	6Z4919	GROMMET: neoprene; Canfield No. P-397.
	6G670	LUBRICANT: grease; type No. S-58; 1/4-lb can.
J501	3H1635A/R1	RECEPTACLE: Jones HB No. SS-8-AB.
J502		RECEPTACLE: same as J501.
J601		RECEPTACLE: same as J501.
J602		RECEPTACLE: same as J501.
	3H1635A/S1	SCREW: mounting; 10-32, 1-7/8" long; (special).
		SECTION II
	3H1635A/B4	BRUSH: low-voltage w/spring.
	3H1635A/B5	BRUSH: high-voltage; w/spring.

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

e. Mounting FT-237 and FT-237-(*)M

Ref symbol	Signal Corps stock No.	Name of part and description
	2Z1480	BUTTON: (for unused cable openings); ESR-679351.
	2Z6721-237A/C5	CABLE: coaxial; (long); WE No. ES0-680341-5.
	2Z6721-237/C6	CABLE: coaxial; (short) WE No. ES0-680341-6.
	3D9100-79	CAPACITOR: mica; 100 mmf ±10%; 500 v dc (working); Cornell Dubilier type 5-W.
	2Z2600	CLAMP: cable; Zierick No. 79.
	2Z6721-237A/C9	CLAMP: cable; WE No. ES0-680165-2.
	2Z6721-237A/C7	CLAMP: dual cable; WE No. ES0-680164-4.
	2Z6721-237A/C8	CLAMP: interphone cable; WE No. ES0-680164-8.
	2Z6721-237A/C12	CONNECTOR ASSEMBLY: L-shaped; (for coaxial cable); WE No. ES0-680341-10.
	2Z6721-237A/C11	CONNECTOR ASSEMBLY: T-shaped; (for coaxial cable); WE No. ES0-678721-4.
	3E2278	CORD CO-278: 8 ft; 2-conductor, No. 8 concentric cable; (battery cable).
	2Z6721-237A/C1	COVER ASSEMBLY: dust; (for receptacle); WE No. ES0-680165-6,7,8.
	2Z6721-237A/C4	COVER: end; WE No. ES0-680159-3A.
	2Z6721-237A/C3	COVER: rear; WE No. ES0-680159-1.
	2Z6721-237A/F2	FASTENER ASSEMBLY: front; (shaft, pin and knurled knob); WE No. ES0-680154 and 5.
	3Z1967	FUSE FU-67: 75-amp; WE No. 66B.
	2Z6721-237A/R3	GUIDE: rear; and fastener assembly.
	2C6494A/J4	INSULATOR: ceramic; (antenna binding post bushings); WE No. ES0-678721-6.
	2Z6721-237A/R1	RECEPTACLE: female; (for receiver and interphone amplifier); Cannon No. ES0-677409-8.
	2Z6721-237A/R2	RECEPTACLE: female; (for transmitter); Cannon No. ES0-677409-7.

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

e. Mounting FT-237 and FT-237-(*)M (contd)

Ref symbol	Signal Corps stock No.	Name of part and description
	2Z8500	SHOCK MOUNTING: assembly; Goodrich No. 10 (Bell Lab) ES-680156-2.
	2Z8807-60	SPACER: steel; 1/2" diam; 7/8" long; 3/16" base.
	2Z9014	STRAP: flexible grounding; 1/2" copper braid; No. ES0-680165-3.
	2Z6721-237A/T2	TERMINAL ASSEMBLY: (transmitter antenna binding post); engraved "TR" WE No. ES0-678764-17.
	2Z6721-237A/T1	TERMINAL ASSEMBLY: (receiver antenna binding post); engraved "REC" WE No. ES0-678764-18.
	2Z9410.21-1	TERMINAL STRIP: bakelite; (10 double screw terminals); TS401, plate assembly WE No. ES0-680163-1 (2Z6721-237A/P1).
		HARDWARE
	6L3505-24	NUT: elastic-stop; (15/16"-24; SAE); Elastic Corp. No. 99E054.
	6L3110-32.2S	NUT: elastic-stop; (10-32 x 5/16").
	6L3820	NUT: wind; (8-32 x 7/16" high, 27/32" long).
	6L4905-9.23Z	SCREW: cap; hex; 5/16" x 9/16"; 24 thread.
	6L4905-12.24Z	SCREW: cap; hex; 5/16" x 1-3/8" 24 thread.
	6L6832-8.49S	SCREW: machine; No. 8-32, 1/2"; cadmium-plated.
	6L6832-16.49S	SCREW: machine; iron; roundhead; No. 8-32, 1"; cadmium-plated.
	6L7032-16.47S	SCREW: machine; iron; fillister-head; No. 10-32, 1"; cadmium-plated
	6L7032-28.47S	SCREW: machine; iron; fillister-head; No. 10-32, 1-3/4"; cadmium-plated
	6L71005	WASHER: lock; steel; spring; 5/16" x 9/64"; non-tangling.

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

f. Mast Base MP-48 and MP-48-A

Ref symbol	Signal Corps stock No.	Name of part and description
	2A2088-48/A1	ADAPTER ASSEMBLY: includes Binding Post TM-146; pin; coupling; insert retainer; insert; washer; (for Mast Base MP-48).
	3Z246	BINDING POST TM-146: (for Mast Base MP-48).
	2A2088-48/C6	CABLE CONNECTOR ASSEMBLY: includes wire plug; soldering plug; Wire W-128, 16½" long; (for Mast Base MP-48).
	2A2088-48/C1	CAP: brass or steel; 1" diam x 5/8" high; (cover for plug case).
	2A2088-48/C9	CASE: plug; brass or steel; 0.990" diam x 1-5/8" long.
	2A2088-48/C7	COLLAR: brass or steel; 1-1/2" diam x 3/4" long, 15/16" hold; (for Mast Base MP-48).
	2A2088-48A/C1	COLLAR: phenolic; 1 1/4" diam; 7/16" hole; (for Mast Base MP-48-A).
	2A2088-48/C4	CONNECTOR: cable; AN 3106-14-3ST plug and AN 3057-6 clamp; (for coaxial cable in Mast Base MP-48).
	2A2088-48/R8	INSERT: retainer; (for Mast Base MP-48).
	3H618	INSULATOR IN-118.
	3G1250-60	INSULATOR: ceramic; (for Mast Base MP-48-A).
	3Z12076-7	LUG: steel; roll-type; (for Mast Base MP-48-A).
	2A2088-48/M1	MAST SOCKET ASSEMBLY: includes upper socket retainer; insulator; lower insulator retainer; plug; Binding Post TM-146; (for Mast Base MP-48).
	2A2088-48A/M1	MAST SOCKET ASSEMBLY: includes socket and upper insulator retainer; lower insulator retainer; insulator; hex head screws; asbestos washers; lug; setscrew; (for Mast Base MP-48-A).
	2A2088-48/P1	PLUG: phenolic; brass or steel; 3/4" across flat; (for Mast Base MP-48).
	2A2088-48/R7	RETAINER ASSEMBLY: includes outer spring retainers; inner spring retainers; springs; and setscrews (for Mast Base MP-48).

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

f. Mast Base MP-48 and MP-48-A (contd)

Ref symbol	Signal Corps stock No.	Name of part and description
	2A2088-48A/R1	RETAINER ASSEMBLY: includes spring retainers; springs; split ring; and setscrews; (for Mast Base MP-48-A).
	2A2088-48/N1	NUT: brass or steel; 1-3/4" across flat; 3/16" thick; 1-3/8"-20 N.S.; (for Mast Base MP-48).
	6L3522-20-28S	NUT: steel; bonderized; 1-3/4" across flat, 3/16" thick, 1-3/8"-20 N.S.; (for Mast Base MP-48-A).
	6L3969-7	PIN: brass; 0.0595" diam x 7/16" long; (for binding post of Mast Base MP-48).
	6L6632-6-1.1	SCREW: machine; brass; roundhead; 13/32"; No. 6-32 (for Insulator IN-118).
	5B14308-4-1.31	SCREW: set; cup-point; steel, 8-32 x 9/32" long.
	6L7968-7.358	SCREW: set; cone-point; steel, 10-32 x 7/16" long.
	2A2088-48/S1	SCREW: machine; steel or brass; 1/8" ball point; 1/4" -28 NF-2 thread length; (for Insulator IN-118).
	2A2088-48/W1	WASHER: steel or brass; 3-1/4" OD; 1-13/32" hole; 1/4" thick; two 1/8" holes; (for Mast Base MP-48).
	2A2088-48/W2	WASHER: lock; steel; 1-5/8" OD, 1-13/32" hole, 1/16" thick; (for Mast Base MP-48).
	3G1250-3.1	WASHER: ceramic; 15/16" OD; 7/16" hole; 3/16" thick; (for Mast Base MP-48-A).
	1B128	WIRE W-128: (for Mast Base MP-48-A).
	2A2088-48/W5	WIRE AND PLUG ASSEMBLY: includes plug case; insulators; wire plug; soldering plug; Wire W-128; rubber washer; (for Mast Base MP-48).
	6L7945-5.35P	SCREW: set; cone-point; steel; 5/16"-24 x 9/32" long; (for Mast Base MP-48).
	6L7949-10.35P	SCREW: set; cone-point; steel, 10-32 x 5/8" long; (for Mast Base MP-48).
	6L7965-5.358	SCREW: set; cone-point; steel; 5/16"-24 x 5/16" long (for Mast Base MP-48-A).
	6L7968-10.131S	SCREW: set; cup-point; steel; 10-32 1/2" hex; (for Mast Base MP-48-A).

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

f. Mast Base MP-48 and MP-48-A (contd)

Ref symbol	Signal Corps stock No.	Name of part and description
	6L7968-5.358	SCREW: set; cone-point; steel; 10-32 x 5/16"; (for Mast Base MP-48-A).
	6L58053	WASHER: steel; (3-1/4" OD x 3/16" thick; 1-7/16" diam hole).
	6L70006P	WASHER: lock; SAE Reg; (for No. 6 screw).
	6L72244	WASHER: lock; internal teeth.
	6L54012-2	WASHER: rubber; (0.905"-0.940" diam; 3/8" hole; 3/8" thick).

49. **Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M**

g. Interphone Control Box BC-606-(*) and BC-606-(*)M

Ref symbol	Signal Corps stock No.	Name of part and description
	2C1617A/C4	CLAMP: mounting.
	2C1617A/C3	COVER: dust.
	2C1738A/J1	JACK: headset and microphone; 3-conductor.
	2C4480-638A/K1	KNOB: volume-control; 1" x 1/2".
	2Z7288-3	POTENTIOMETER: 50,000 ohms.
	2C6494A/R1	RECEPTACLE AND CAP: magnetic microphone.
	3Z6200-6	RESISTOR: 2,000 ohm ±10% 1/2 W.
	2C4403A/S2	SWITCH: toggle; SPST.
	4E9900-700A	TERMINAL STRIP: 8 pairs of contacts.

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

j. Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M

Ref symbol	Signal Corps stock No.	Name of part and description
	2S528 ( )	RADIO SET SCR-508-(*) AND RADIO SET SCR-528-(*).
	2A262	ANTENNA: phantom; A-62.
	2Z2651-424	CLAMP; (for Mast Section MS-42); MC-424.
	6Z3147	CONNECTOR AND BOND NUT: (for power or interphone-cable connection to terminal box); Appleton No. 61007 and BL-50.
	3E1307A-5.5	CORD CD-307-A: 65" long; (for Headset HS-30-(*)).
	2X74-1	CRYSTAL HOLDER FT-241 (*) AND CRYSTAL SET: 1 ea for all authorized frequencies.
	3E1604	CORD CD-604: 10" long; (for Headset HS-30-(*), including plug and transformer).
	2Z3400-108	COVER BG-108: (for Mast BASE MP-48-A).
	2B830 ( )	HEADSET HS-30-(*): (component).
	2B1300	INSERT M-300: (for Headset HS-30).
	2C1738 ( )	INTERPHONE CONTROL BOX BC-606-(*).
	2A2088-48A	MAST BASE MP-48-A.
	3E2076A	CORD CO-76-A: (Microphone T-17).
	2A2352	MAST SECTION MS-52.
	2A2353	MAST SECTION MS-53.
	2B1617	MICROPHONE T-17.
		MICROPHONE T-17: (repair parts).
	2Z6721-237A	MOUNTING FT-237A.
	2C4403 ( )	†RADIO RECEIVER BC-603-(*): component; (for Radio Set SCR-508 multiply quantities by 2).
	2C6494 ( )	RADIO TRANSMITTER BC-604-(*).
	2Z8056A	ROLL BG-56-A: (for antenna mast section).
	3Z8109	SWITCH SW-109: (for Microphone T-17).

† Indicates maintenance parts for Radio Set SCR-508-(*); quantities per assembly should be multiplied by 2.

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

j. Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M (contd)

Ref symbol	Signal Corps stock No.	Name of part and description
	1B128	WIRE W-128: No. 14-single conductor; aircraft ignition-cable without braid.
		ADD for INSTALLATION in TANK, LIGHT M3
	2Z2651-423	CLAMP MC-423; (for Mast Section MS-51).
	3E1318-A	CORD CD-318-A: control; (for Microphone T-45).
	3E2213	CORDAGE CO-213: interphone cable; (7-conductor; shielded; 2 separately shielded inside).
	3H1634 ( )	‡DYNAMOTOR DM-34-(*): 12 v.
	3H1635 ( )	DYNAMOTOR DM-35-(*): 12 v.
	6D15325-D2	INSTRUCTIONS: installation; for Radio Set SCR-528-(*)
	3G611	INSULATOR IN-111: 2-5/8" long; (antenna fed through wall of tank).
	3G621	INSULATOR IN-121: 1-1/8" long; (antenna feed through metal partitions).
	2A2351	MAST SECTION MS-51.
	2B1645	MICROPHONE T-45.
	2B1589/1	SHIELD: breath; (Microphone T-45).
		ADD for INSTALLATION in TANK, LIGHT M3A1
	2Z2651-423	CLAMP MC-423: (for Mast Section MS-51).
	3E1318-A	CORD CD-318-A: control cord for microphone.
	3E2213	CORDAGE CO-213: interphone cable; (7-Conductor; shielded; 2 separately shielded inside).
	3E2218	CORDAGE CO-218: slip ring to Inter-phone Control Box BC-606-(*) in turret; (4-conductor; shielded; 1 separately shielded inside).
	3H1684 ( )	‡DYNAMOTOR DM-34-(*): 12 v.
	3H1635 ( )	DYNAMOTOR DM-35-(*): 12 v.
	6D15250-V3	INSTRUCTIONS: installation (for Radio Set SCR-528-(*)).

‡ Indicates maintenance parts for Radio Set SCR-509 (*); quantities per assembly should be multiplied by 2.

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

j. Radio Sets SCR-508-(*) and SCR-508-(*)M; Radio Set SCR-528-(*) and SCR-528-(*)M (contd)

Ref symbol	Signal Corps stock No.	Name of part and description
	3G611	INSULATOR IN-111: 2-5/8" long (antenna feed through wall of tank.)
	3G621	INSULATOR IN-121: 1-1/8" long; (antenna feed through metal partition).
	5Z11038	TERMINAL LUGS: (for interphone wires in terminal and slip ring boxes).
	2A2351	MAST SECTION MS-51.
	2B1645	MICROPHONE T-451
	2B1589/1	SHIELD: breath; (Microphone T-45).
	3Z11038	TERMINAL LUGS: (for connecting interphone wires in terminal box and slip-ring box).
		ADD for INSTALLATION in TANK, LIGHT M5
	2Z2651-423	CLAMP MC-423: (for Mast Section MS-51).
	3E1318-A	CORD CD-318-A: (control cord for Microphone T-45).
	3E2213	CORDAGE CO-213: interphone cable; (7-conductor; shielded; 2 shielded separately inside).
	3H1634 ( )	†DYNAMOTOR DM-34-(*): 12 v; (for Radio Set SCR-508 multiply quantities by 2.).
	3H1635 ( )	†DYNAMOTOR DM-35-(*): 12 v; (for Radio Set SCR-508-(*) multiply quantities by 2).
	6D15025-V4	INSTRUCTIONS: installation; (for Radio Set SCR-528-(*)).
	2A2351	MAST SECTION MS-51.
	2B1645	MICROPHONE T-45.
	2B1589/1	SHIELD: breath; (Microphone T-45).
	2Z2651-423	CLAMP MC-423: (for Mast Section MS-51).
	3E1318-A	CORD CD-318-A: (control for Microphone T-45).
	3E2213	CORDAGE CO-213: interphone cable: (7-conductor; shielded; 2 shielded separately inside).
	3H1634 ( )	†DYNAMOTOR DM-34-(*): 12 v; (for Radio Set SCR-508 multiply quantities by 2).

† Indicates maintenance parts for Radio Set SCR-508-(*); quantities per assembly should be multiplied by 2.

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

j. Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M (contd)

Ref symbol	Signal Corps stock No.	Name of part and description
	3H1635 ( )	DYNAMOTOR DM-35-(*): 12 v.
	CD15200-V24	INSTRUCTIONS: installation; (for Radio Set SCR-528-(*)).
	3G601	INSULATOR IN-101: 1-5/8" long; (antenna feed through metal partition).
	2A2351	MAST SECTION MS-51.
	2B1645	MICROPHONE T-45.
	2B1589/1	SHIELD: breath; (Microphone T-45).
		ADD FOR INSTALLATION IN TANK, MEDIUM M-3
	2Z2651-423	CLAMP MC-423: (for Mast Section MS-51).
	3E1318-A	CORD CD-318-A: (control cord for Microphone T-45).
	3E2282	CORD CO-282: (coaxial cable; for antenna lead-in).
	3E2213	CORDAGE CO-213: interphone cable; (7 conductor; shielded; 2 separately shielded inside).
	3E2218	CORDAGE CO-218: (for connecting slip ring to Interphone Control Box BC-606 in turret); 4-conductor; shielded; 1 shielded separately inside.
	3H1636 ( )	‡DYNAMOTOR DM-36-(*): 24 v.
	6D15200-V24	INSTRUCTIONS: installation; (for Radio Set SCR-528-(*).
	3G611	INSULATOR IN-111: 2-5/8" long; (for insulating wire through wall of tank).
	2A2351	MAST SECTION MS-51.
	2B1645	MICROPHONE T-45.
	3Z11038	TERMINAL LUGS: (for connecting interphone wires in terminal box and slip-ring box).
	2B1589/1	SHIELD: breath; (for Microphone T-45).
		ADD FOR INSTALLATION IN TANKS, MEDIUM M-341 AND M-345
	2Z2651-423	CLAMP MC-423: (for Mast Section MS-51).
	3E1318-A	CORD CD-318-A: control cord; (for Microphone T-45).

‡ Indicates maintenance parts for Radio Set SCR-508-(*); quantities per assembly should be multiplied by 2.

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

j. Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M (contd)

Ref symbol	Signal Corps stock No.	Name of part and description
	3E2282	CORD CO-282: (coaxial cable; for antenna lead-in).
	3E2213	CORDAGE CO-213: interphone cable; (7 conductor; shielded; 2 separately shielded inside).
	3H1636 ( )	‡DYNAMOTOR DM-36-(*): 24 v; (for Radio Set SCR-508 multiply quantities by 2).
	3H1636 ( )	‡DYNAMOTOR DM-36-(*): (repair parts); (for Radio Set SCR-508-(*) multiply quantities by 2).
	3H1637 ( )	DYNAMOTOR DM-37-(*): 24 v.
	6D12508-V7	INSTRUCTIONS: installation; for Radio Set SCR-528-(*)).
	3G611	INSULATOR IN-111: 2-5/8" long.
	2A2351	MAST SECTION MS-51.
	2B1645	MICROPHONE T-45.
	2B1589/1	SHIELD: breath; (Microphone T-45).
	3Z11038	TERMINAL LUGS: (for connecting interphone wires in terminal box and slip-ring box).
		ADD FOR INSTALLATION IN TANK MEDIUM M4, M4A1, ETC.
	2Z2651-423	CLAMP MC-423: (for Mast Section MS-51).
	3E1318-A	CORD CD-318-A: (control cord for Microphone T-45).
	3E2213	CORDAGE CO-213: interphone cable; (7-conductor; shielded; 2 separately shielded inside).
	3H1636 ( )	‡DYNAMOTOR DM-36-(*): 24 v; (for Radio Set SCR-508-(*) multiply quantities by 2).
	3H1637 ( )	DYNAMOTOR DM-37-(*): 24 v.
	6D15000-V8	INSTRUCTIONS: installations; (for Radio Set SCR-528-(*).
	2A2351	MAST SECTION MS-51.
	2B1645	MICROPHONE T-45.
	2B1589/1	SHIELD: breath; (Microphone T-45).

‡ Indicates maintenance parts for Radio Set SCR-508-(*); quantities per assembly should be multiplied by 2.

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

j. Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M (contd)

Ref symbol	Signal Corps stock No.	Name of part and description
		ADD FOR INSTALLATION IN CAR 1/2-TRACK M2.
	6Z3147-1	CONNECTOR AND BOND NUT: Appleton 61004 and BL-50.
	3E2218	CORDAGE CO-218: (for connecting slip ring to Interphone Control Box BC-606 in turret; 4-conductor; shielded; 1 separately shielded inside).
	3H1634 ( )	‡DYNAMOTOR DM-34-(*): 12 v; (for Radio Set SCR-508 multiply quantities by 2).
	3H1635 ( )	DYNAMOTOR DM-35-(*): 12 v.
	6D15050-V10	INSTRUCTIONS: installation; (for Radio Set SCR-528-(*)).
	3C1350-28	INSULATOR: (p/o Mast Base Bracket MP-52).
	2A2090-52	MAST BASE BRACKET MP-52.
	2Z6721-284	MOUNTING FT-284: (for Cabinet CH-74-A).
		ADD FOR INSTALLATIONS IN CARRIER, PERSONNEL 1/2-TRACK M3.
	2Z2600	CLAMP: (for power cord No. 4).
	3E2218	CORDAGE CO-218: (for connecting slip ring to Interphone Control Box BC-606 in turret; 4-conductor; shielded; 1 shielded separately inside).
	3H1634 ( )	‡DYNAMOTOR DM-34-(*): 12 v (for Radio Set SCR-508 multiply quantities by 2).
	3H1635 ( )	DYNAMOTOR DM-35-(*): 12 v.
	6D15150-V12	INSTRUCTIONS: installations; (for Radio Set SCR-528-(*)).
	3G1350-28	INSULATOR: (for Mast Base Bracket MP-52).
	2A2090-52	MAST BASE BRACKET MP-52.
	2Z6721-284	MOUNTING FT-284: (for Cabinet CH-74-A).
		ADD FOR INSTALLATIONS IN CAR, SCOUT M3A1.
	6Z3147	CONNECTOR AND BOND NUT: Appleton No. 61004 and BL-50.

‡ Indicates maintenance parts for Radio Set SCR-508(*); quantities per assembly should be multiplied by 2.

49. **Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M**

j. Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M (contd)

Ref. symbol	Signal Corps stock No.	Name of part and description
	3E2212	CORDAGE CO-212: concentric cable; 2-conductor; No. 8; (each conductor rubber-covered).
	3E2218	CORDAGE CO-218: (for connecting slip ring to Interphone Control Box BC-606 in turret; 4-conductor; shielded; 1 shielded separately inside).
	3H1634	‡DYNAMOTOR DM-34-(*): 12 v; (for Radio Set SCR-508 multiply quantities by 2.
	3H1635 ( )	DYNAMOTOR DM-35-(*): 12 v.
	2Z4643	FRAME FM-43: (for Cabinet CH-74-A or Mounting FT-237).
	6D15275-V13	INSTRUCTIONS: installation; (for Radio Set SCR-528-(*)).
	3G1350-28	INSULATOR: (for Mast Base Bracket MP-52).
	2A2090-52	MAST BASE BRACKET MP-52.
	2Z6721-326	MOUNTING FT-326.
		ADD FOR INSTALLATIONS IN TRUCK 3/4 TON, 4 x 4 CARRY-ALL.
	2Z2651-423	CLAMP MC-423: (for Mast Section MS-51).
	3H1634 ( )	‡DYNAMOTOR DM-34-(*): 12 v; (for Radio Set SCR-508-(*) multiply quantities by 2).
	3H1635 ( )	DYNAMOTOR DM-35-(*): 12 v.
	2Z4643	FRAME FM-43: (for Cabinet CH-74-A or Mounting FT-237-WD).
	6D16100-V14	INSTRUCTIONS: installation; (for Radio Set SCR-528-(*)).
	3G601	INSULATOR IN-101: 1-5/8" long; (antenna feed through metal partition).
	2A2351	MAST SECTION MS-51.
		ADD FOR INSTALLATION IN TRUCK, 3/4 TON, 4 x 4 COMMAND.
	2Z2651-423	CLAMP MC-423: (for Mast Section MS-51).
	3H1634 ( )	‡DYNAMOTOR DM-34-(*): 12 v; (for Radio Set SCR-508-(*) multiply quantities by 2).

‡ Indicates maintenance parts for Radio Set SCR-508-(*); quantities per assembly should be multiplied by 2.

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

j. Radio Set SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M (contd)

Ref symbol	Signal Corps stock No.	Name of part and description
	3H1635 ( )	DYNAMOTOR DM-35-(*): 12 v.
	2Z4643	FRAME FM-43: (for Cabinet CH-14-A or Mounting FT-237).
	6D15175-V15	INSTRUCTIONS: installation; (for Radio Set SCR-528-(*)).
	3G604	INSULATOR IN-104.
	3G621	INSULATOR IN-121: 1-1/8" long; (antenna feed through metal partition).
	2A2351	MAST SECTION MS-51.
	2Z6721-285	MOUNTING FT-285: (including hardware).
		ADD FOR INSTALLATIONS IN TANK RECOVERY VEHICLE T2 (Radio Set SCR-528 only).
	3E2282	CORD CO-282: coaxial cable; (for antenna lead-in).
	2Z2651-423	CLAMP MC-423: (for Mast Section MS-51).
	3E1318-A	CORD CD-318-A: (control cord for Microphone T-45).
	3E2213	CORD CO-213: interphone cable.
	3H1636 ( )	DYNAMOTOR DM-36-(*): 24 v.
	3H1637( )	DYNAMOTOR DM-37-(*): 24 v.
	6D15350-V22	INSTRUCTIONS: installation; (for Radio Set SCR-528-(*)).
	3G611	INSULATOR IN-111: 2-5/8" long; (antenna feed through wall of tank).
	2A2351	MAST SECTION MS-51.
	2B1645	MICROPHONE T-45.
	2B1589/1	SHIELD: breath; (for Microphone T-45).
	6Z3147-1	CONNECTOR AND BOND NUT: Appleton No. 61004 and No. BL-50.
	3Z2218	CORDAGE CO-218: (for connecting slip ring to Interphone Control Box BC-606; 4-conductor; shielded; 1 separately shielded inside).

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

j. Radio Sets SCR-508-(*) and SCR-508-(*)M- SCR-528-(*) and SCR-528;(*)M (contd)

Ref symbol	Signal Corps stock No.	Name of part and description
	3H1634 ( )	DYNAMOTOR DM-34-(*): 12 v.
	3H1635 ( )	DYNAMOTOR DM-35-(*): 12 v.
	6D12528 ( )-V27	INSTRUCTIONS: installation; (for Radio Set SCR-528-(*)).
	3G1350-28	INSULATOR: (for Mast Base Bracket MP-52).
	2A2090-52	MAST BASE BRACKET MP-52.
	2F6721-284	MOUNTING FT-284: (for Cabinet CH-74-A).
		ADD FOR INSTALLATIONS IN CAR, 1/2-TRACK M9A1.
	2Z2651-423	CLAMP MC-423: (for Mast Section MS-51).
	3H1634 ( )	†DYNAMOTOR DM-34-(*): 12 v; (for Radio Set SCR-508- multiply quantities by 2).
	3H1635 ( )	DYNAMOTOR DM-35-(*): 12 v.
	6D15600-V60	INSTRUCTIONS: installation; (for Radio Set SCR-528-(*)).
	3G621	INSULATOR IN-121: 1-1/8" long; (antenna feed through metal partitions).
	2A2351	MAST SECTION MS-51.
	3H3947A	MOUNTING FT-317-A.
		ADD FOR INSTALLATION IN CAR, 1/2-TRACK M2A1.
	2Z2651-423	CLAMP MC-423: (for Mast Section MS-51).
	6Z3147-1	CONNECTOR AND BOND NUT: Appleton No. 61004 and BL-50.
	3E2218	CORDAGE CO-218.
	3H1634 ( )	†DYNAMOTOR DM-34-(*): 12 v; (for Radio Set SCR-508-(*) multiply quantities by 2).
	3H1635 ( )	DYNAMOTOR DM-35-(*): 12 v.
	6D15110-V77	INSTRUCTIONS: installation.
	3G621	INSULATOR IN-121.
	2A2351	MAST SECTION MS-51.

† Indicates maintenance parts for Radio Set SCR-508-(*); quantities per assembly should be multiplied by 2.

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

j. Radio Set SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M (contd)

Ref symbol	Signal Corps stock No.	Name of part and description
	2Z6721-284	MOUNTING FT-284: (for cabinet Chest CH-74-A).
		ADD FOR INSTALLATION IN HEAVY TANK M6, M6A1, OR M6A2 (FOR ORDNANCE TANK DEPOTS AND USING ARMS).
	2Z2651-423	CLAMP MC-423: (for Mast Section MS-51).
	3E1318	CORD CD-318: (for Microphone T-45-(*)).
	3E2213	CORD CO-213: (interphone cable).
	3H1636 ( )	‡DYNAMOTOR DM-36-(*): 24 v; (for Radio Set SCR-508 multiply quantities by 2).
	3H1637 ( )	DYNAMOTOR DM-37-(*): 24 v.
	6D15325-V9	INSTRUCTIONS: installation.
	2A2351	MAST SECTION MS-51.
	2B1645	MICROPHONE T-45-( ).
	2B1589/1	SHIELD: breath; (Microphone T-45).
		ADD FOR INSTALLATION IN LIGHT ARMORED CAR M8.
	3E1318 ( )	CORD CD-318: (for microphone).
	3E2282	CORD CD-282: coaxial cable (for antenna lead-in).
	3E2213	CORDAGE CO-213: interphone cable.
	2Z2651-423	CLAMP MC-423: (for Mast Section MS-51).
	3H1634 ( )	DYNAMOTOR DM-34-(*): 12 v; (for Radio Set SCR-508-(*) multiply quantities by 2).
	3H1635 ( )	DYNAMOTOR DM-35-(*): 12 v.
	6D15375-V17	INSTRUCTIONS: installation.
	3G621	INSULATOR IN-121.
	2A2351	MAST SECTION MS-51.
	2B1645	MICROPHONE T-45.
	2B1589/1	SHIELD: breath; (Microphone T-45).
	2Z2651-423	CLAMP MC-423: (for Mast Section MS-51).
	3H1634 ( )	‡DYNAMOTOR DM-34-(*): 12 v; (for Radio Set SCR-508-(*) multiply quantities by 2.

‡ Indicates maintenance parts for Radio Set SCR-508-(*); quantities per assembly should be multiplied by 2.

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

k. Radio Sets SCR-538-(*) and SCR-538-(*)M

Ref symbol	Signal Corps stock No.	Name of part and description
	2S538	RADIO SET SCR-538-(*).
	2Z2651-423	CLAMP MC-423: (for Mast Section MS-51).
	2Z2651-424	CLAMP MC-424: (for Mast Section MS-52).
	6Z3147	CONNECTOR AND BOND NUT: Appleton 61007 and BL-50 respectively.
	3E1307A-5.5	CORD CD-307-A: 65"; 2-conductor; (with Jack JK-26 and Plug PL-55 for headset).
	3E1318A	CORD CD-318-A: 7 ft; 3-conductor; (with Plug PL-88 and Switch SW-141); control cord for Microphone T-45.
	3E1604	CORD CD-604: 6"; 2-conductor; (with Transformer C-410 and Plug PL-54); for headset.
	3E2213	CORDAGE CO-213: 7-conductor; shielded; interphone cable.
	2Z3400-108	COVER BG-108: for Mast Base MP-48-A.
	2B830-( )	HEADSET HS-30-(*).
	2B1300	INSERT M-300: for Headset HS-30-(*).
	2C1617-( )	INTERPHONE AMPLIFIER BC-605-(*).
	2C1738-( )	INTERPHONE CONTROL BOX BC-606-(*).
	2A2088-48A	MAST BASE MP-48-A.
	2A2351	MAST SECTION MS-51.
	2A2352	MAST SECTION MS-52.
	2A2353	MAST SECTION MS-53.
	2B1617	MICROPHONE T-17.
	2B1645	MICROPHONE T-45.
	2Z6721-237-( )	MOUNTING FT-237-(*).
	2C4403-( )	RADIO RECEIVER BC-603-(*).
	2Z8056A	ROLL BG-56-A: (for antenna mast sections).
	2B1589/1	SHIELD: breath; (for Microphone T-45).

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

k. Radio Sets SCR-538-(*) and SCR-538-(*)M (contd)

Ref symbol	Signal Corps stock No.	Name of part and description
	1B128	WIRE W-128.
		ADD FOR INSTALLATION IN LIGHT TANK M3.
	3H1634( )	DYNAMOTOR DM-34-(*).
	6D15325-V2	INSTRUCTIONS: installation.
	3G611	INSULATOR IN-111: (for antenna wire).
	3G621	INSULATOR IN-121: (for antenna wire).
		ADD FOR INSTALLATION IN LIGHT TANK M3A1
	3E2218	CORDAGE CO-218: 4-conductor; 1 shielded for connecting slip ring to Interphone Control Box BC-606-(*) in turret.
	3H1634	DYNAMOTOR DM-34-(*): 12 v.
	6D15250-V3	INSTRUCTIONS: installation.
	3G611	INSULATOR IN-111: (for antenna wire).
	3G621	INSULATOR IN-121: (for antenna wire).
	3Z11038	TERMINAL LUG: (for interphone wires in terminal and slip-ring boxes).
		ADD FOR INSTALLATION IN LIGHT TANK M3A3.
	3H1634	DYNAMOTOR DM-34-(*): 12 v.
	6D15325-V25	INSTRUCTIONS: installation.
	3G601	INSULATOR IN-101: (for attenna wire).
	3Z11038	TERMINAL LUG: brass; tinned; (for connecting interphone wires in terminal box and slip-ring box).
		ADD FOR INSTALLATION IN LIGHT TANK M5.
	3H1634	DYNAMOTOR DM-34-(*): 12 v.
	6D15025-V4	INSTRUCTIONS: installation.
		ADD FOR INSTALLATION IN LIGHT TANK M5A1.
	3H1634	DYNAMOTOR DM-34-(*): 12 v.

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

k. Radio Sets SCR-538-(*) and SCR-538-(*)M (contd)

Ref symbol	Signal Corps stock No.	Name of part and description
	6D15200-V24	INSTRUCTIONS: installation.
	3G601	INSULATOR IN-101: (for antenna wire).
		ADD FOR INSTALLATION IN MEDIUM TANK M3.
	3E2218	CORDAGE CO-218: 4-conductor; 1 shielded; (for connecting slip ring to Interphone Control Box BC-606-(*) in turret).
	3H1636( )	DYNAMOTOR DM-36-(*).
	3E2282	CORD CO-282: coaxial cable for antenna lead-in.
	6D12508-V6	INSTRUCTIONS: installation.
	3G611	INSULATOR IN-111: (for antenna wire).
	3Z11038	TERMINAL LUGS: for connecting interphone wires in terminal box and slip-ring box.
		ADD FOR INSTALLATION IN MEDIUM TANK M3A1-M3A5.
	3H1636( )	DYNAMOTOR DM-36-(*): 24 v.
	3E2282	CORD CO-282: coaxial cable for antenna lead-in.
	6D12508( )-V7	INSTRUCTIONS: installation.
	3G611	INSULATOR IN-111: (for antenna wire).
	3Z11038	TERMINAL LUG: brass; tinned; (for connecting interphone wires in terminal box and slip-ring box.
		ADD FOR INSTALLATION IN MEDIUM TANK M4, M4A1, etc.
	3H1636( )	DYNAMOTOR DM-36-(*): 24 v.
	6D15000-V8	INSTRUCTIONS: installation.
		ADD FOR INSTALLATION IN TANK, RECOVERY VEHICLE T2.
	3H1636( )	DYNAMOTOR DM-36-(*): 24 v.
	6D15350-V22	INSTRUCTIONS: installation.
		ADD FOR INSTALLATION IN LIGHT ARMORED CAR M8.
	3E2282	CORD CO-282: coaxial cable for antenna lead-in.

49. Maintenance Parts List for Radio Sets SCR-508-(*) and SCR-508-(*)M; SCR-528-(*) and SCR-528-(*)M; SCR-538-(*) and SCR-538-(*)M

k. Radio Sets SCR-538-(*) and SCR-538-(*)M (contd)

Ref symbol	Signal Corps stock No.	Name of part and description
	3H1634( )	DYNAMOTOR DM-34-(*): 12 v.
	6D15375-V17	INSTRUCTIONS: installation.
	3G621	INSULATOR IN-121.
	2Z5954	LAMP: neon; 60-90-v; 1/4-w; bayonet base; G.E.Co. CD-1010-CL.
	2Z5938	LAMP LM-38: Mazda; 28 v; .17 amp.
	2T90	TUBE JAN-6H6: (VT-90).
	2T94	TUBE JAN-6J5: (VT-94).
	2T107	TUBE JAN-6V6-GT: (VT-107-A).
	2T112	TUBE JAN-6AC7: (VT-112).
	2T164	TUBE JAN-1619: (VT-164).
	2T209	TUBE JAN-12SG7: (VT-209).
	2T229	TUBE JAN-6SL7-GT: (VT-229).